Scientific and Technical Aerospace Reports

SECTION III

CORPORATE SOURCE
REPORT/ACCESSION NUMBER
ACCESSION/REPORT NUMBER

ANNUAL INDEX
JANUARY–DECEMBER 1963

December 31, 1963

ANNUAL INDEX TO

VOLUME 1 NUMBERS 1–24

N63-10001—N63-23821

Availability of Documents

NASA Documents

The NASA documents listed in *Scientific and Technical Aerospace Reports (STAR)* are available from NASA without charge to:

- ★ NASA offices and NASA Centers
- ★ NASA contractors, subcontractors, grantees, and consultants
- ★ U.S. Government agencies and their contractors
- ★ Universities, colleges, and public libraries
- ★ Foreign governmental organizations and domestic or foreign private organizations which agree to:
  - —Exchange scientific and technical publications with NASA; or
  - —Maintain depositories of NASA publications for public reference.

Except for commercially available publications as noted in the Section below, this availability applies to those documents listed with an indication of either NASA origination or NASA support.

Request documents in *STAR* by:

- ★ Obtaining Form 492 (Document Request) from NASA, Office of Scientific and Technical Information.
- ★ Indicating on the form the NASA contract number or other identification of support, and also the NASA accession number (e.g., N63-12345).
- ★ Forwarding the form to:

National Aeronautics and Space Administration
Office of Scientific and Technical Information
Attn: Code AFSS-A
Washington, D.C., 20546

For persons or organizations not included in the above categories:

- ★ NASA documents may be purchased from the following addresses as specifically indicated in the abstract section:

Superintendent of Documents (GPO)
U.S. Government Printing Office
Washington, D.C., 20402

Office of Technical Services (OTS)
Department of Commerce
Washington, D.C., 20230

- ★ NASA documents are available for reference purposes at the organizations listed on the inside back cover.

Non-NASA Documents

NASA will continue to provide British, Canadian, and AGARD reports. All other documents listed that are not NASA generated or supported are available from NASA only to:

- ★ NASA Offices and Centers
- ★ NASA contractors, subcontractors, grantees, and consultants.

All other activities and individuals should request them from the source or information services which normally fill their document requirements such as Office of Technical Services and Defense Documentation Center for Scientific and Technical Information.

Commercially Available Publications

Priced publications, listed in *STAR*, but for sale by commercial publishing firms, colleges, university presses, professional societies and institutes, should be obtained from the source, from bookdealers, or from libraries. Journal articles reporting NASA or NASA-supported work are announced and indexed in *STAR* primarily for reference purposes.

VOLUME 1 NUMBERS 1–24

Scientific and Technical Aerospace Reports

Annual Index January–December 1963

TABLE OF CONTENTS

	Page
SECTION I	
Subject Index (A–L)	A-1
SECTION II	
Subject Index (M–Z)	A-573
SECTION III	
Corporate Source Index	B-1
Report/Accession Number Index	C-1
Accession/Report Number Index	D-1
SECTION IV	
Personal Author Index	E-1

HOW TO OBTAIN *STAR*

The semimonthly issues of *Scientific and Technical Aerospace Reports* and the cumulative index issues are available without charge to all activities supported by the National Aeronautics and Space Administration, including NASA contractors, subcontractors, grantees, and consultants, and to other government agencies. They are available from NASA without charge on an exchange basis to universities, professional societies, and industrial and independent research organizations. Inquiries on availability may be directed to the National Aeronautics and Space Administration, Office of Scientific and Technical Information, Code AFSS-A, Washington, D.C., 20546, United States of America.

The semimonthly issues and the cumulative index issues are available postpaid on subscription and in single copy from the Superintendent of Documents, United States Government Printing Office, Washington, D.C., 20402, United States of America.

Semimonthly issues. Annual subscription rate: $25.00, domestic; $31.00, foreign. Price per single copy: $1.50, domestic; 25¢ extra for foreign mailing.
Cumulative index issues. Annual subscription rate: $30.00, domestic; $34.00, foreign. Price per single copy varies according to the number of pages.

Domestic subscription rates apply to the United States, Canada, Mexico, and all Central and South American countries, except as noted below.
Foreign subscription rates apply to Argentina, Brazil, British and French Guiana, Surinam, British Honduras, and all other countries throughout the world.

Payment should be by check, money order, or document coupons, and must accompany order. Remittances from foreign countries should be made by international money order, or draft on an American bank, payable to the Superintendent of Documents, or by UNESCO book coupons.

Published by:

United States Government

National Aeronautics and Space Administration

Office of Scientific and Technical Information

Scientific and Technical Aerospace Reports, Volume 1, is prepared by the Scientific and Technical Information Facility operated for the National Aeronautics and Space Administration by Documentation Incorporated.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget December 20, 1962

Introduction

This publication contains the annual cumulation of the Subject, Corporate Source, Personal Author, Report Number and Accession Number Indexes for *Scientific and Technical Aerospace Reports (STAR)*, Volume 1, Numbers 1 through 24. The accession number is the identification given by NASA to each item indexed in the year indicated (e.g., N63-12345).

The annual index is divided into four separately bound sections. Sections I and II contain the Subject Index, Section III contains the Corporate Source, Report/Accession Number, and Accession/Report Number Indexes, and Section IV contains the Personal Author Index.

In using the indexes, it is necessary to note both the accession number and the issue and category number by which a desired citation may be found. Introductory notes at the beginning of each index describe their characteristics and use in greater detail.

The annual index for *STAR*, Volume 1, Numbers 1–24 supercedes all previous indexes in this volume year.

Information regarding the publication and availability of *Scientific and Technical Aerospace Reports* may be obtained from the National Aeronautics and Space Administration, Office of Scientific and Technical Information, Washington, D.C., 20546.

CORPORATE SOURCE INDEX

Listing of Reports by Corporate Source

Proceedings of meetings, symposia, etc., are included if their sources are known. A Notation of Content, *rather than the title of the document,* appears under each corporate source. The NASA accession number is located under and to the right of the Notation of Contents (e.g., N63-12345), followed by a category number (e.g., 13-02) for locating the abstract in the first section. The first two digits of the category number identify the issue number of *Scientific and Technical Aerospace Reports,* and the two digits following the hyphen identify the category as listed in the Table of Contents.

A

ABERDEEN PROVING GROUND, MD.

DEVELOPMENT OF AN AERIAL CAMERA WITH CELESTIAL ORIENTATION
BRL-MEMO-1425 N63-10213 01-15

SHOCK WAVE ATTENUATION IN TUNNELS
BRL-MEMO-1401 N63-10935 02-11

DETERMINATION OF PHTHALIC ANHYDRIDE IN ALKYD RESINS BY GAS-LIQUID CHROMATOGRAPHIC METHOD
CCL-132 N63-11717 04-07

STUDIES OF DETERGENCY - WETTING AGENTS, SURFACTANTS
CCL-133 N63-11718 04-07

COMPUTER PROGRAM FOR AUTOMATIC SELECTION OF COMPUTERS
BRL-1176 N63-11733 04-20

LIQUID-FILLED, IMPULSIVELY STARTED, SPINNING CYLINDER
BRL-TN-1473 N63-11800 04-11

CORROSION PROTECTION OF MAGNESIUM
CCL-134 N63-11801 04-07

CHLORINE ION CONCENTRATION IN INHIBITED ENGINE COOLANTS
CCL-135 N63-12372 06-07

METHODS FOR PREVENTING GALVANIC CELL CORROSION BETWEEN MAGNESIUM AND STEEL
CCL-136 N63-12373 06-07

INFLUENCE OF HYDROPHILE-LIPOPHILE BALANCE OF NONIONIC ADDITIVE ON DETERGENCY OF ALKALINE CLEANERS CONTAINING AN ANIONIC SURFACTANT
CCL-137 N63-12374 06-07

DETERMINATION OF VISCOELASTIC MODEL CONSTANTS FROM DYNAMIC MECHANICAL PROPERTIES OF MATERIALS
BRL-1180 N63-12679 06-33

MECHANICAL PLUG GAUGE FOR AIR BLAST IMPULSES NEAR EXPLOSIVES DETONATED AT DIFFERENT PRESSURES
BRL-1182 N63-13048 07-15

AIRCRAFT REVETMENTS - FLOW PATTERNS IN SMOKE
BRL-MEMO-1440 N63-13203 07-02

DIGITAL RAY DATA ANALYSIS OF SATELLITE AND ROCKET RADIO TRANSMISSIONS
BRL-1163 N63-13285 07-12

CHARACTERISTIC CALCULATION OF NONEQUILIBRIUM FLOW
BRL-1173 N63-13493 08-11

POLARIZATION INDUCTION OF DIELECTRIC MATERIALS BY SHOCK WAVES, UTILIZING POLYSTYRENE
BRL-MEMO-1449 N63-13915 09-23

SIMULATION OF INTERIOR BALLISTIC PERFORMANCE OF GUNS BY DIGITAL COMPUTER PROGRAM
BRL-1183 N63-13947 09-20

PROCESS FOR NITROCELLULOSE PROPELLANT IN DENSITY RANGE 0.8 TO 1.3 G/CC
BRL-TN-1487 N63-13948 09-17

TWO WAVELENGTH, STREAK INTERFEROMETRY OF IONIZED, HEAVY GAS
BRL-MEMO-1448 N63-14580 10-15

HEAT INPUT AND TRANSFER, BARREL TEMPERATURE, AND THERMAL STRAINS IN 37-MM GUN DURING FIRING
BRL-1192 N63-15370 12-01

FEASIBILITY OF ONE-COAT PAINT SYSTEM
CCL-138 N63-15371 12-07

ORDVAC COMPUTER PROGRAMMING FOR IDENTIFICATION OF STARS & COMPUTING STANDARD COORDINATE SYSTEM
BRL-MR-1451 N63-15399 12-22

RESONANT TUBE TECHNIQUE FOR ACOUSTIC ADMITTANCE MEASUREMENT OF SOLID PROPELLANT SURFACE COMBUSTION INSTABILITY N63-15579 12-26

ALUMINUM BURNING IN SOLID PROPELLANT FOR ROCKET ENGINES - COMBUSTION INSTABILITY N63-15588 12-26

RELIABILITY AND EFFICIENCY DESIGN FOR COMMUNICATION SYSTEMS
BRL-1186 N63-15673 12-08

MAGNUS EFFECT ON ACCURACY AND STABILITY OF SPINNING FINNED BODY
BRL-1193 N63-15941 13-02

SPACE SCIENCE - GEODESY AND ROCKETRY N63-16011 13-10

SECOND TEST OF HIGH ALTITUDE GUN PROBE SYSTEM
BRL-MR-1464 N63-16206 13-04

CHEMICAL DETERGENTS OF MEDIUM ALKALINITY UTILIZING GLYCOLS AND ETHYLENEDIAMINE-TETRASODIUM ACETATE
CCL-140 N63-16255 13-07

IDENTIFICATION AND DETERMINATION OF PLASTICIZER IN LACQUER BY PROGRAMMED TEMPERATURE GAS CHROMATOGRAPHY - COATINGS
CCL-141 N63-16495 14-07

RESIN MODIFIED TWO PACKAGE WASH PRIMERS - PAINTS AND COATINGS
CCL-143 N63-16524 14-17

CORRELATION OF HIGH LOADING RATE REACTIONS WITH LOW RATE TESTS IN METALS - PREDICTION OF DYNAMIC BEHAVIOR UNDER EXPLOSIVE LOADING N63-16622 14-18

DYNAMIC RESPONSE OF CYLINDRICAL SHELLS EXPOSED TO EXTERNAL BLAST LOADING - PERMANENT DEFORMATION PREDICTION - STRUCTURAL DYNAMICS
N63-16623 14-33

ELECTRICAL ANALOG USE IN SKYSCREEN SYSTEM - BALLISTIC CAMERAS AND PHOTOGRAMMETRY
BRL-TN-1491 N63-16716 14-20

PREPARATION AND ANALYSIS OF MUNSON ROAD-TEST TAPES FOR LABORATORY VIBRATION ENVIRONMENT TESTS
N63-16755 14-02

ELECTRON DISTRIBUTION IN IONOSPHERE - STRONGARM ROCKET MEASUREMENTS
BRL-1187 N63-16942 14-04

ROUTINE FOR COMPUTING REAL AND COMPLEX ROOTS OF POLYNOMIALS WITH REAL COEFFICIENTS TO TENTH DEGREE
BRL-MEMO-1467 N63-17232 15-20

OPTIMIZING VERTICAL ROCKET THRUST AT LARGE JET MACH NUMBER WHEN DRAG IS FUNCTION OF VELOCITY
BRL-1194 N63-17441 15-20

PARTIALLY CONSTRAINED IMPINGING JETS - EXPLANATION OF MOTION OF SHAPED CHARGE LINERS
BRL-1202 N63-17601 16-11

CALCULATING CONSTANTS OF MAXWELL VISCOELASTIC MODEL FROM CORRESPONDING VOIGT MODEL
BRL-MEMO-1460 N63-17651 16-20

BLAST LOADING OF STRAIN RATE DEPENDENT CANTILEVER BEAMS - ELASTIC AND PLASTIC DEFORMATION
BRL-1179 N63-17680 16-33

DEFORMATION OF UNSTIFFENED, THIN WALL CYLINDRICAL SHELLS FROM BLAST LOADING
BRL-MEMO-1461 N63-17692 16-33

PHOTOGRAMMETRIC METHOD FOR DETERMINING TOPOGRAPHY OF LIQUID SURFACES
BRL-1196 N63-17761 16-11

COMPUTER PROGRAMMING USING FORAST LANGUAGE
BRL-1172 N63-17884 16-20

DYNAMIC AND KINETIC ENERGY BALANCE IN HYPERVELOCITY PENETRATION - CRATERING
N63-18284 17-33

VIRTUAL SPECIFIC ACOUSTIC ADMITTANCE MEASUREMENTS OF BURNING SOLID PROPELLANT SURFACES BY RESONANT TUBE TECHNIQUE - COMBUSTION INSTABILITY
N63-18532 17-26

ALUMINUM ADDITIVE IN UNSTABLE COMBUSTION OF SOLID ROCKET PROPELLANTS - GROWTH, EVAPORATION AND BURNING RATES IN FLAME ZONE N63-18533 17-26

REVERSIBLE CHEMICAL REACTIONS OF HYDROXYL RADICALS WITH HYDROXYL IONS, HYDROGEN MOLECULES, AND OXYGEN AND HYDROGEN IONS N63-18562 17-07

TARGET STRENGTH INFLUENCE ON HYPERVELOCITY CRATER FORMATION IN ALUMINUM
BRL-MR-1480 N63-19018 18-18

QUASI-LINEAR SUBSTITUTION METHOD FOR CUBIC STATIC MOMENT INFLUENCE ON MODAL DAMPING OF MISSILE
BRL-MEMO-1466 N63-19516 19-20

NONEQUILIBRIUM FLOW OVER A CONE - VIBRATIONAL RELAXATION EFFECTS
BRL-1203 N63-19642 19-11

IONOSPHERIC STRUCTURE ABOVE FORT CHURCHILL, CANADA FROM FARADAY ROTATION MEASUREMENTS
N63-19687 19-12

SOUNDING ROCKET MEASUREMENT OF ELECTRON DENSITIES TO 1500 KILOMETERS N63-19691 19-12

NITROCELLULOSE PROPELLANT FOR TRAVELING CHARGE GUN
BRL-MEMO-1485 N63-19746 19-26

PENETRATION BALLISTICS FOR A SHAPED-CHARGE JET FORMING EXPLOSIVE DEVICE
BRL-1184 N63-19876 19-33

BESSEL FUNCTIONS FOR SECOND KIND OF ORDERS 0 TO 9
BRL-1197, VOL. 1 N63-20383 20-20

BESSEL FUNCTIONS FOR SECOND KIND OF ORDERS 0 TO 9
BRL-1197, VOL. 2 N63-20384 20-20

BESSEL FUNCTIONS FOR SECOND KIND OF ORDERS 0 TO 9
BRL-1197, VOL. 3 N63-20385 20-20

BESSEL FUNCTIONS FOR SECOND KIND OF ORDERS 0 TO 9
BRL-1197, VOL. 4 N63-20386 20-20

BESSEL FUNCTIONS FOR SECOND KIND OF ORDERS 0 TO 9
BRL-1197, VOL. 5 N63-20387 20-20

PEAK PRESSURE AT EXPLOSIVE AND BALLISTIC SHOCK INTERACTION IN THE DIRECTION OF CHARGE MOTION - PENTOLITE CHARGE
BRL-1206 N63-20742 21-11

COMBUSTION INSTABILITY RESEARCH IN SOLID ROCKET PROPELLANTS
BRL-MR-1489 N63-21033 21-26

CALIBRATION OF PC-1000 CAMERAS BY STAR PHOTOGRAPHY
BRL-MEMO-1468 N63-21190 21-05

COMBUSTION AIR HEATER OPERATING MANUAL - HYPERSONIC WIND TUNNEL
BRL-TN-1505 N63-21219 21-26

NITROGEN SPECTRA FROM GLOW ON GROUNDED PROBE IN SUPERSONIC MOIST AIR FLOW
BRL-MEMO-1490 N63-21249 21-02

INTRODUCTORY PROGRAMMING FOR ORDVAC AND BRLESC - FORAST /FORMULA AND ASSEMBLY TRANSLATOR/
BRL-1209 N63-22381 23-20

RANDOM NUMBER GENERATION ON HIGH SPEED COMPUTERS
BRL-855 N63-22522 23-20

FREQUENCIES & ZERO DISPLACEMENT LINES FOR NORMAL MODE VIBRATIONS OF SHALLOW SPHERICAL SHELLS
BRL-1188 N63-22610 23-23

SINGULARITIES IN VARIATIONAL PROBLEM OF LAGRANGE WITH INEQUALITIES
BRL-1207 N63-22621 23-20

JAVELIN SOUNDING ROCKET DOVAP ANTENNA SYSTEM
BRL-TN-1511 N63-23493 24-09

APPARATUS FOR MEASURING STRESS RELAXATION MODULUS IN SHEAR OF VISCOELASTIC MATERIALS
BRL-MEMO-1498 N63-23697 24-33

LABORATORY BENCH SCALE HEAT TRANSFER APPARATUS TO DETERMINE HEAT TRANSFER EFFICIENCY OF AUTOMOTIVE COOLANTS
CCL-146 N63-23719 24-13

ACADEMIA REPUBLICII POPULARE ROMINE, BUCHAREST /RUMANIA/.
BOOLEAN ALGEBRA - PROBABILITY THEORY AND SUM FUNCTIONS N63-19372 18-20

ACADEMY OF SCIENCES /USSR/, MOSCOW.
GENERAL THEORY DESCRIBING DISCONTINUOUS PROCESSES AND APPLICATION TO HYDRODYNAMIC INHOMOGENEITIES SUCH AS COMBUSTION WAVES, COMBUSTION ZONE MOTION
N63-12263 05-26

SCHLIEREN PHOTOGRAPHY STUDY OF COMBUSTION OF HYDROGEN-OXYGEN MIXTURE AND VELOCITY VARIATION OF PROPAGATED SHOCK WAVES WITH TIME AS A FUNCTION
N63-12264 05-26

TIME ANALYSIS STUDY BY PHOTOGRAPHY OF COMBUSTION PROCESSES, GAS EXPLOSION, AND WAVE PROPAGATION IN VESSELS OF VARIABLE VOLUME USING HYDROGEN-OXYGEN
N63-12265 05-26

EFFECT OF GRID AND CONSTRICTION FRICTION ON FLAME PROPAGATION VELOCITY, HEAT EXCHANGE AND ACOUSTIC SHOCK DISCONTINUITY FORMATION IN REACTIVE MEDIA

N63-12266 05-26

PHOTOGRAPHIC AND PRESSURE STUDIES OF INSTABILITY IN TRANSITION REGIONS OF TRANSONIC STREAM IN SUPERSONIC FLOW FIELD N63-12267 05-11

SHOCK WAVE AND BOUNDARY LAYER INTERACTION IN SUPERSONIC FLOW IN ANGULAR LEDGE REGION N63-12268 05-11

PATTERN VARIATIONS IN SUPERSONIC JET FLOW THROUGH CONTOURED NOZZLES UNDER OVEREXPANSION CONDITIONS STUDIED BY SCHLIEREN PHOTOS AND STATIC PRESSURES N63-12269 05-11

APPROXIMATION METHOD FOR MEASURING TEMPERATURE AND PRESSURE GRADIENTS AND DENSITY DISTRIBUTION IN UNSYMMETRICAL OBJECTS USING SCHLIEREN PHOTOGRAPHS N63-12270 05-11

DENSITY DISTRIBUTION IN TWO AND THREE-DIMENSIONAL SUPERSONIC JETS INCLUDING DISTRIBUTION MAPS N63-12271 05-11

TRANSDUCERS FOR HIGH VELOCITY GAS FLOW TEMPERATURE MEASUREMENT WITH DESIGN CRITERIA DETERMINED FROM THERMOCOUPLE MEASUREMENTS N63-12272 05-11

FLAME FRONT AND COMBUSTION PROCESS IN FREE JET INCLUDING FLAME FORMATION LAWS N63-12273 05-26

FLAME FRONT AND COMBUSTION IN TURBULENT FLOW N63-12274 05-26

JET FLAME COMBUSTION, PROPAGATION VELOCITY, COMBUSTION STABILITY, TURBULENT FLOW N63-12275 05-26

RADIO LOCATION OF PLANET VENUS BY SOVIET UNION - APRIL 1961 N63-13022 07-05

PHYSICS OF SOLAR CORPUSCULAR STREAMS AND EFFECT ON UPPER ATMOSPHERE - SOLAR FLARES, SOLAR SPECTROGRAPH, AND AURORAE N63-13775 08-29

METHODS FOR STUDYING SOLAR CORPUSCULAR STREAMS AND THEIR SOURCE IN SOLAR ATMOSPHERE - SPECTROSCOPY AND GEOMAGNETISM N63-13776 08-29

SPECTROSCOPIC STUDY OF CORPUSCULAR EJECTIONS ON THE SUN - FACULAE EMISSION FROM HYDROGEN AND CALCIUM N63-13777 08-28

SOLAR CORPUSCULAR RADIATION AND TOPOLOGY OF MAGNETIC FIELD IN SOLAR CORONA N63-13778 08-28

LECTURES ON SOLAR CORPUSCULAR STREAMS AND THEIR EJECTION N63-13779 08-28

MAGNETIC AND IONOSPHERIC DISTURBANCES IN THE POLAR REGIONS FROM SOLAR CORPUSCULAR STREAMS - THEORIES OF STREAM/EARTH INTERACTION N63-13780 08-28

SOLAR FLARES AND CORPUSCULAR STREAMS PRODUCING GEOMAGNETIC DISTURBANCES N63-13781 08-28

LECTURES ON IONOSPHERIC EFFECTS OF SOLAR CORPUSCULAR STREAMS AND GEOGRAPHIC DISTRIBUTION OF MAGNETIC DISTURBANCES N63-13782 08-28

HYDROGEN EMISSION IN SPECTRUM OF POLAR AURORAE N63-13783 08-12

EQUATION FOR QUASI-STATIONARY EQUILIBRIUM IN F2 LAYER AND SOLAR CORPUSCULAR STREAM N63-13784 08-28

ROCKET AND SATELLITE MEASUREMENTS OF METEORITIC DUST N63-16640 14-29

STATISTICS OF METEORS N63-16652 14-05

CADEMY OF SCIENCES OF THE ARMENIAN SSR, REVAN /USSR/.
EXTRA-GALACTIC ASTRONOMY AND COSMOLOGY N63-17794 16-05

ACADEMY OF SCIENCES OF THE TAJIK SSR, DOUSHANBE /USSR/.
METEOR SPECTROGRAPHY N63-16645 14-05

PHOTOGRAPHS AND ORBITAL ELEMENTS OF METEORS N63-16660 14-05

ACF INDUSTRIES, INC., ALBUQUERQUE, N. MEX.
WELDING OF 7000 SERIES ALUMINUM FOR NUCLEAR ROCKET APPLICATIONS N63-22320 23-27

ACOUSTICA ASSOCIATES, INC., LOS ANGELES, CALIF.
ULTRASONICS - NEW CONTROL FOR SPACE AND SUBMARINE BIOECOLOGICAL SYSTEMS AND SUBSYSTEMS N63-10395 01-16

ACOUSTICAL SOCIETY OF AMERICA, NEW YORK, N.Y.
RESPONSE OF NONLINEAR SYSTEMS TO EXCITATION BY RANDOM NOISE N63-20102 20-23

ADCOM, INC., CAMBRIDGE, MASS.
NOISE THRESHOLD OF EXPONENTIAL MODULATION SYSTEMS WITH EMPHASIS ON OSCILLATING LIMITER
RADC-TDR-63-330 N63-22119 22-09

ADELAIDE U. /AUSTRALIA/.
VARIATION OF RADIO-STAR AND SATELLITE AMPLITUDE SCINTILLATIONS WITH ZENITH ANGLE - EFFECT OF IONOSPHERIC IRREGULARITIES N63-12467 06-12

RADIO STAR SCINTILLATIONS AND SPREAD-F ECHOES OVER SOLAR CYCLE - OBSERVATIONS OF CASSIOPEIA A N63-19098 18-05

ADELPHI COLL., GARDEN CITY, N.Y.
INTERACTION ENERGY IN GEOMETROSTATICS - GEOMETRODYNAMIC DESCRIPTION OF PARTICLES BY TOPOLOGICAL FEATURES OF EMPTY SPACE-TIME N63-22876 23-23

ADELPHI RESEARCH CENTER, MINEOLA, N.Y.
RESONANCE DAMPING FOR THIN, VIBRATING PLATES - CORRELATION OF DYNAMIC VISCOELASTICITY & THIN PLATE THEORIES IN MATERIALS MECHANICS
ASD-TDR-63-411 N63-20305 20-33

ADVANCED KINETICS, INC., COSTA MESA, CALIF.
LABORATORY SIMULATION STUDIES OF OUTER SPACE PHENOMENA - PLASMA DENSITY, DIPOLE MAGNET N63-12618 06-24

SIMULATION OF DIPOLE FIELD WITH SOLENOID N63-12619 06-24

FAST GAS VALVE FOR PLASMA EXPERIMENTS N63-12960 07-23

PRODUCTION OF MILLIMETER & SUBMILLIMETER WAVES BY INJECTION OF ELECTRON BEAMS INTO MAGNETIC FIELDS
AFCRL-62-718 N63-14217 09-25

ADVANCED METALS RESEARCH CORP., SOMERVILLE, MASS.
PROPERTY ANALYSIS OF NONSTOICHIOMETRIC METALLIC CARBIDES - PERIODIC GROUP IV METALS
NASA-CR-50321 N63-18389 17-18

ADVANCED TECHNOLOGY LABS., MOUNTAIN VIEW, CALIF.
TRANSDUCER SYSTEM FOR MEASURING SKIN TEMPERATURE OF WING PANEL AND LEADING EDGE OF DYNA-SOAR VEHICLE DURING REENTRY
ATL-D-861 N63-11421 03-15

HYDROGEN DIFFUSION THROUGH PALLADIUM
ATL-D-786 N63-11807 04-25

TEMPERATURE TRANSDUCER FOR IN-FLIGHT MONITORING OF SKIN PANEL SURFACE TEMPERATURES - EFFECTS OF INSULATION AND VIBRATION ON ACCURACY
ATL-D-811 N63-12288 05-15

EVALUATION OF DUEL ELEMENT TRANSDUCER FOR HIGH TEMPERATURE GAS MEASUREMENTS
ARL-63-58 N63-17470 15-15

ADVISORY GROUP FOR AERONAUTICAL RESEARCH AND DEVELOPMENT, PARIS /FRANCE/.
INSTABILITY OF SPHERICAL SHELLS SUBJECTED TO EXTERNAL PRESSURE N63-10846 02-33

DEVELOPMENT OF FLOW SEPARATIONS RELATED TO INCIDENCE OF WINGS WITH SHARP LEADING EDGES - THREE-DIMENSIONAL BOUNDARY LAYER ANALYSIS
AGARD-275 N63-11838 04-03

MAN AND RADAR DISPLAYS
AGARDOGRAPH-60 N63-12685 06-14

ADVISORY GROUP FOR AERONAUTICAL RESEARCH AND DEVELOPMENT - GENERAL INFORMATION 1962
N63-13314 07-01

MEASUREMENTS ON AGARD CALIBRATION MODEL - WIND TUNNELS, SCATTERING, TRANSONIC SPEEDS AND TRANSITION
AGARDOGRAPH-64 N63-13508 08-02

V/STOL AIRCRAFT - VERTICAL FLIGHT, HOVERING, STABILITY AND CONTROL SYSTEMS
AGARD-408 N63-13660 08-04

AEROELASTICITY - FLUTTER OF WING PANELS, CONTROL SURFACES, ALL-MOVABLE TAIL SURFACES - MOTION EQUATIONS, STATIC DIVERGENCE, CONTROL REVERSAL
N63-14113 09-01

FATIGUE TESTING - METHODS, MACHINES, APPARATUS, AND ANALYSIS OF RESULTS N63-15239 11-33

DISCUSSIONS FOLLOWING PRESENTATION OF PAPERS ON HYPERSONICS - GAS DYNAMICS, HYPERSONIC FLOW, HYPERSONIC WIND TUNNELS, HYPERSONIC FLIGHT
AGARD-132-147 N63-15528 12-11

DISCUSSION OF WIND TUNNEL PRESSURE MEASUREMENT
AGARD 163-177 N63-15670 12-01

WIND TUNNEL CALIBRATION MODELS
N63-16147 13-10

TABLE OF EQUIVALENTS OF ACCELERATION TERMINOLOGIES
N63-16368 14-20

APPLICATION OF ANNULAR JET AND OTHER GROUND EFFECT TECHNIQUES TO DESIGN OF AIRCRAFT, GROUND, AND WATER-BORNE CRAFT
AGARDOGRAPH-67 N63-16456 14-04

ADVANCES IN SPACE MEDICINE, PHYSICS, AND COMMUNICATIONS N63-17048 15-01

REQUIREMENTS FOR AXIAL FATIGUE MACHINE CAPABLE OF FAST CYCLIC HEATING AND LOADING
AGARDOGRAPH-66, AMENDED N63-17668 16-10

SUBSONIC, SUPERSONIC, AND HYPERSONIC FLOWS BY METHOD OF HYDRAULIC ANALOGY
AGARD-399 N63-17764 16-11

ANALOG COMPUTERS FOR SOLVING MOTION EQUATIONS IN FLIGHT MECHANICS OF AIRCRAFT HAVING RIGID AND NON-RIGID STRUCTURES
AGARDOGRAPH-44 N63-17770 16-20

EXPERIMENTAL METHODS FOR MEASURING AEROELASTICITY AND FLUTTER N63-17815 16-33

OPTICAL MEASUREMENT IN AERODYNAMIC RESEARCH - INTERFEROMETRY AND INTERFERENCE PHENOMENON
AGARD-398 N63-18720 17-02

CYCLIC TEMPERATURE EFFECTS ON METAL MATERIALS AND STRUCTURES - MATERIALS SCIENCE
AGARD-410 N63-18723 17-33

MATERIAL PROPERTY HANDBOOK - MAGNESIUM, NICKEL AND TITANIUM ALLOYS FOR STRUCTURAL USE IN AIRCRAFT
N63-18835 18-18

IN-FLIGHT SIMULATION PERTINENT TO MANNED SPACE EXPLORATION - LAUNCH, ORBITAL, REENTRY & LANDING APPROACH PHASES
AGARD-403 N63-18840 18-04

ADAPTIVE CONTROLS FOR FLIGHT CONTROL OF REENTRY VEHICLES SUCH AS X-15 AIRCRAFT
AGARD-406 N63-19036 18-20

MODEL-CONTROLLED METHOD FOR VARIABLE STABILITY AIRCRAFT DEVELOPMENT - COMPLEX MOTION EQUATION SIMULATION - VARIABLE STABILITY HELICOPTER DESIGN
AGARD-402 N63-19110 18-0

PANEL MOUNTED FLIGHT INSTRUMENT DEVELOPMENT - PILOT PERFORMANCE
AGARD-405 N63-19111 18-1

VERTICAL DISPLAY INSTRUMENTS
AGARD-404 N63-19500 19-1

AGARD ANNOTATED BIBLIOGRAPHY & PUBLICATIONS INDEX - 1952 TO 1962 N63-21001 21-0

HEAT TRANSFER BY RADIATION OF AN OGIVE AND BOUNDARY LAYER ENERGY EMISSION OF METALS
AGARD-211 N63-21549 22-1

FRENCH-ENGLISH AVIATION & AEROSPACE MEDICAL GLOSSARY N63-22250 23-1

AGARD AERONAUTICAL MULTILINGUAL DICTIONARY
N63-23199 24-0

ANTHROPOMETRY OF TURKISH, GREEK & ITALIAN MILITARY PERSONNEL
AGARDOGRAPH-73 N63-23200 24-1

AEON LABS., EGHAM /GT. BRIT./
METALLOGRAPHY OF DISPERSION-HARDENED ALLOYS AND ITS RELATION TO CREEP RESISTANCE
N63-15436 12-1

MICROSTRUCTURE OF DISPERSION-HARDENED ALLOYS AND ITS RELATION TO CREEP RESISTANCE
N63-15534 12-1

METALLURGICAL STUDIES WITH ELECTRON MICROSCOPE - PREPARATION OF THIN METAL FOILS BY MICROTOMY
E-498-MC N63-19717 19-1

MICROSTRUCTURE OF SINTERED ALUMINA ALUMINUM ALLOY BY TRANSMISSION ELECTRON MICROSCOPY
ASD-TDR-63-343, PT. I N63-19777 19-1

AERO VAC CORP., TROY, N.Y.
SPACE SIMULATION ION GAUGES FOR VACUUM LEVEL MEASUREMENTS IN AEROSPACE ENVIRONMENTAL TEST CHAMBERS
AEDC-TDR-63-148 N63-19025 18-1

OIL BACKSTREAMING THROUGH VACUUM TRAP AT CRYOGENIC TEMPERATURES
AEDC-TDR-63-149 N63-19048 18-1

AEROCHEM RESEARCH LABS., INC., PRINCETON, N.J.
FUNDAMENTAL SOLUTION TO THE DIFFUSION BOUNDARY LAYER EQUATION FOR NEARLY SEPARATED FLOW OVER SOLID SURFACES AT LARGE PRANDTL NUMBERS
TP-52 N63-10590 02-1

SCALE EFFECTS AND COMPUTER CORRELATION TECHNIQUES FOR HEAT TRANSFER WITH GAS PHASE AND SURFACE RECOMBINATION APPLIED TO HYPERSONIC FLIGHT
TP-54 N63-11235 03-1

MAGNETOHYDRODYNAMIC EFFECTS ON STAGNATION-POINT HEAT TRANSFER FROM PARTIALLY IONIZED NONEQUILIBRIUM GASES IN SUPERSONIC FLOW
TP-43 N63-12145 05-2

SHOCK WAVE AND BOUNDARY LAYER INTERACTION IN SUPERSONIC FLOW IN ANGULAR LEDGE REGION
N63-12268 05-1

CHEMICAL SCAVENGER STUDY OF ATOM AND EXCITED MOLECULE CONCENTRATION IN NONEQUILIBRIUM SUPERSONIC FLOW OF NITROGEN
TP-40 N63-12804 06-0

RADIATION COOLING AERODYNAMICALLY HEATED SURFACES
TP-60 N63-12805 06-0

CONVECTIVE DIFFUSION AS INTRUDER IN KINETIC STUDIES OF SURFACE CATALYZED REACTIONS
TP-63 N63-14257 10-0

FLAMES - ION AND ELECTRON CONTENT
AEROCHEM-TP-45 N63-14807 11-2

ACOUSTIC ADMITTANCE MEASUREMENTS OF BURNING SOLID PROPELLANTS FOR COMBUSTION INSTABILITY VALUES
N63-15580 12-26

MEASUREMENT OF STAGNATION POINT HEAT TRANSFER FROM PLASMAS IN MAGNETIC FIELD - ERROR ANALYSIS
N63-23489 24-24

ERODYNAMISCHE VERSUCHSANSTALT, GOTTINGEN
D. GERMANY/.
THREE-DIMENSIONAL MEASUREMENTS OF SYMMETRICAL WINGS OF VARIOUS PLANFORMS IN SUPERSONIC FLOW
WGL PAPER-12 N63-10010 01-03

HEAT TRANSFER PROBLEMS IN HYPERSONIC BOUNDARIES
WGL PAPER-18 N63-10016 01-13

JET FLAPS - BLOWOUT FROM SLOT NEAR THE TRAILING EDGE, CIRCULAR CYLINDER, RECTANGULAR WING
N63-14437 10-03

CALCULATION OF TWO-DIMENSIONAL INCOMPRESSIBLE POTENTIAL FLOW AROUND SEVERAL PROFILES IN SAME FLOW FIELD WHICH EXERT MUTUAL INTERFERENCE
N63-15455 12-11

PRESSURE DISTRIBUTION MEASUREMENTS AND WAKE SURVEY ON WING PROFILE WITH LEADING EDGE SUCTION AND WING PROFILE WITH LEADING EDGE SLOT
AVA-62-03 N63-19998 19-03

PRESSURE DISTRIBUTION MEASUREMENTS AT TRANSONIC FLOW IN A FREE JET ON AIRFOIL SECTION
AVA-62-01 N63-20059 20-03

PRESSURE CHARACTERISTICS IN SUBSONIC AND SUPERSONIC FLOW - STATIC AND DYNAMIC PRESSURE PROBES N63-20806 21-15

STABILITY AND CONTROL OF AIRCRAFT
AVA-61-04 N63-20842 21-04

EFFECT OF STABILITY AND CONTROL ON FLIGHT CHARACTERISTICS N63-20844 21-04

TURBOMACHINE AERODYNAMICS - TURBOMACHINE BLADE, TURBOJET ENGINE, COMPRESSOR, CASCADE, AXIAL FLOW AND FLOW MEASUREMENT
AVA-RR-62-02 N63-20864 21-02

TURBOMACHINES - SUPERSONIC COMPRESSOR TESTS AND COMPARISON WITH CASCADE MEASUREMENTS IN A WIND TUNNEL N63-20870 21-02

EROJET-GENERAL CORP., AZUSA, CALIF.
RELATIONSHIP BETWEEN FLUTTER PARAMETERS AND GENERALIZED AERODYNAMIC FORCES FOR LOW ASPECT RATIO WINGS
ASD-TDR-62-462 N63-10470 01-33

APPLICATION OF THE NASA KERNEL-FUNCTION PROCEDURES TO GENERALLY DEFORMING WINGS
ASD-TDR-62-409 N63-10471 01-33

EFFECT OF SPACE ENVIRONMENT ON REINFORCED PLASTICS
N63-10925 02-19

PLASMA-ARC SPRAYED RADIATION-COOLED THRUST CHAMBER OF MOLYBDENUM POWDER N63-10965 02-17

STRESS-CORROSION CRACKING OF HIGH-STRENGTH ALLOYS
N63-11438 03-18

HIGHLY CONCENTRATED CARBON DIOXIDE AS A CARBON SOURCE FOR CONTINUOUS ALGAE CULTURES
N63-11470 03-16

BELL-MODE VIBRATIONS OF CONICAL NOZZLES
N63-11856 04-33

HIGH STRENGTH PREIMPREGNATED GLASS FIBER FOR FILAMENT WINDING N63-12664 06-19

LIQUID PROPELLANT TESTING SYSTEM USING ON-STREAM ANALYZERS OF PHYSICAL AND CHEMICAL PROPERTIES - CONTAMINANT EFFECTS
RTD-TDR-63-3 N63-13007 07-26

STRESS, CORROSION, AND CRACKING OF HIGH STRENGTH ALLOYS - TITANIUM ALLOY, NICKEL STEEL
N63-13472 08-18

MECHANISMS OF DECOMPOSITION, COMBUSTION, AND DETONATION OF SOLIDS N63-14488 10-26

CONTAMINANT INTRODUCTION SYSTEM FOR STORABLE AND CRYOGENIC PROPELLANTS
RTD-TDR-63-1024 N63-14718 11-26

HIGH TEMPERATURE INORGANIC RESIN & ELASTOMER R&D - DEGRADATION OF ASBESTOS & MICA, SILICATE-SILANE REACTIONS, PHENYL SUBSTITUTION
N63-15414 12-07

COMBUSTION INSTABILITY OF SOLID PROPELLANTS - SUPPRESSION OF UNSTABLE BURNING
N63-15597 12-26

KINETICS OF THREE-BODY ATOM RECOMBINATION - NITROGEN, HYDROGEN
AN-625 N63-16931 14-07

MERCURY CORROSION LOOP TESTING PROGRAM - BOILERS AND CONDENSERS
NASA-CR-50341 N63-17220 15-17

MERCURY CORROSION LOOP TESTING PROGRAM - BOILERS AND CONDENSERS
NASA-CR-50342 N63-17223 15-17

RELIABILITY MONITORING BY OPTIONAL STOPPING SAMPLING TECHNIQUE N63-17299 15-20

SOLID FUEL COMBUSTION, DETONATION AND DECOMPOSITION BY FLAME ANALYSIS
N63-17542 16-26

SCALE MODEL TESTING OF 90-DEG TURN EJECTOR SYSTEMS FOR ROCKET ENGINE SIMULATION
AIAA PAPER-63-174 N63-17802 16-02

SPACE MISSION CAPABILITIES OF SATURN V AND NOVA LAUNCH VEHICLES WITH NUCLEAR ENGINES
AIAA PAPER-63-286 N63-17813 16-27

DESIGN GUIDE FOR PRESSURIZATION SYSTEM EVALUATION FOR LIQUID PROPELLANT ROCKET ENGINES
NASA-CR-50313 N63-18037 16-26

STRUCTURAL FAILURE OF FIRST STAGE POLARIS A3 FILAMENT WOUND CONFIGURATION-F CHAMBER UNDER HYDROSTATIC PRESSURE
B-201 N63-19062 18-04

AERODYNAMIC AND STRUCTURAL DESIGN OF ROCKET NOZZLE OPERABLE UNDER SEPARATED FLOW CONDITIONS - BELL MODE VIBRATIONS OF CONICAL NOZZLES
NASA-CR-50692 N63-19267 18-02

TOXICOLOGICALLY SIGNIFICANT ENVIRONMENTAL CONTAMINANTS NEAR TITAN II TEST FIRING FACILITIES
AMRL-TDR-63-52 N63-19845 19-16

DEVELOPMENT OF IMPROVED HIGH-STRENGTH GLASS FIBER FOR FILAMENT-WINDING OF ROCKET MOTOR CASES
N63-20443 20-19

ESTABLISHING DESIGN CRITERIA FOR SPACE PROPULSION SYSTEM BY EXPOSING ROCKET MATERIALS AND STRUCTURES TO SIMULATED SPACE ENVIRONMENTS
RTD-TDR-63-1050, VOL. 1 N63-20999 21-29

SPACE ENVIRONMENT - IONIZING PARTICLE RADIATION, ELECTROMAGNETIC RADIATION, EXOSPHERE AND METEOROID ENVIRONMENT
RTD-TDR-63-1050, VOL. 2 N63-21000 21-12

STRESS-CORROSION CRACKING OF HIGH-STRENGTH ALLOYS
N63-22176 23-18

LIQUID AND SOLID ROCKET OPERATION PROBLEMS IN SPACE ENVIRONMENT
NASA-CR-52044 N63-22864 23-27

PLANETARY & INTERPLANETARY ENVIRONMENT - SOLAR SYSTEM, PLANETS & THEIR SATELLITES, RADIATION & SPACE DEBRIS HAZARDS
NASA-CR-52076 N63-22865 23-27

KEPLERIAN TABLES FOR CONIC, ECCENTRIC ORBITS
N63-23357 24-05

EVALUATION OF SODIUM-POTASSIUM AND ORGANICS AS FLUIDS IN HEAT REJECTION LOOP OF SNAP-8 SYSTEM
N63-23629 24-19

AEROJET-GENERAL CORP., DOWNEY, CALIF.
ACCELERATOR TO STUDY IMPACT AND PENETRATION EFFECTS UPON TARGET THICKNESS - ALUMINUM TARGETS
APGC-TDR-63-2 N63-12163 05-23

EXPLOSIVE FORMING OF CLOSURES FOR SOLID-PROPELLANT ROCKET ENGINE CASES N63-12492 06-26

EXPLOSIVE DEVICE WITH 1-AMP/1-WATT SAFETY - HOT-WIRE AND EXPLODING CONDUCTOR
N-106-210 N63-14900 11-15

EFFECT OF HIGH DYNAMIC PRESSURE ON METALLURGICAL PROPERTIES OF IRON AND TITANIUM BASE ALLOYS
ASD-TDR-62-535 N63-15064 11-18

PROPELLANT SENSITIVITY - EFFECTS OF ENVIRONMENTAL CONTROL & SURFACE COATING ON IMPACT DETONATION OF SOLID COMPOSITE PROPELLANTS IN CONTACT WITH METALS
N63-16261 13-26

DETONATION INITIATION MECHANISM FOR SOLID EXPLOSIVES - SHOCK INDUCED FORMATION OF HYDROGEN & HYDROXYL IONS CAUSING HYDROCARBON REARRANGEMENT
N63-16262 13-26

INITIATION OF EXPLOSIVES BY FRICTION - ATMOSPHERE REACTIONS WITH NEW EXPLOSIVE SURFACES FORMED BY FRACTURE AND ABRASION - COMPOSITE PROPELLANTS
N63-16263 13-26

EPSILON-CARBIDE EFFECT ON PASSIVITY OF STEEL IN NITRIC ACID SOLUTIONS N63-16264 13-18

EXPLOSIVE FORMING OF LARGE SOLID PROPELLANT MOTOR CASES N63-17016 15-27

INFLUENCE OF VERY HIGH PRESSURE /1000 - 23000-PSI/ ON DEFLAGRATION RATE OF PURE AMMONIUM PERCHLORATE
N63-18536 17-26

FREE-FORMING DIE FOR PRODUCTION OF LARGE SCALE CLOSURES FOR SOLID PROPELLANT MOTOR CASES
N63-21666 22-26

AEROJET-GENERAL CORP., SACRAMENTO, CALIF.
HEAT TRANSFER AND PARTICLE TRAJECTORIES IN SOLID ROCKET NOZZLES
BSD-TDR-62-165 N63-10109 01-13

ROCKET ENGINE SYSTEM RELIABILITY
N63-10493 01-27

MECHANICAL PROPERTIES OF SOLID PROPELLANTS
N63-10701 02-26

EQUATIONS FOR TWO-DIMENSIONAL AND AXISYMMETRICAL FLOW OF GAS-PARTICLE MIXTURES IN ROCKET NOZZLES
AFBSD-TDR-62-144 N63-11959 05-11

HIGH AND LOW TEMPERATURE TEST OF AEROJET UTILITY VAN
BSD-TDR-62-331 N63-12450 06-30

UTILITY VAN FOR TRANSPORT OF MINUTEMAN SECOND-STAGE OPERATIONAL ENGINES
BSD-TDR-62-329 N63-12451 06-30

STRUCTURAL TESTS OF UTILITY VAN FOR SECOND-STAGE MINUTEMAN ENGINE
BSD-TDR-62-330 N63-12452 06-33

SEA DRAGON VEHICLE IN ROCKET SEA LAUNCH AND RECOVERY N63-13741 08-30

DIFFUSION BONDING OF TUNGSTEN ALLOYS
WAL-TR-465.54/4 N63-15911 13-27

DEVELOPMENT OF PERISCOPE FOR VISUAL OBSERVATION AND ANALYSIS OF THRUST CHAMBER COMBUSTION
N63-17001 15-15

SOLID PROPELLANT IGNITION - IGNITER BALLISTICS, FLAME PROPAGATION N63-17534 16-20

ABLATIVE MATERIALS FOR THRUST CHAMBERS - DESIGN, TESTING AND FABRICATION
BSD-TDR-63-118 N63-18184 16-27

ALGOL SOLID ROCKET ENGINE DEVELOPMENT - IGNITER SQUIB TEST PROGRAM
NASA-CR-50629 N63-18205 16-27

ALGOL SOLID ROCKET ENGINE DEVELOPMENT FOR SCOUT VEHICLE - BURNING RATE STUDY
NASA-CR-50628 N63-18206 16-27

ALGOL SOLID-PROPELLANT ROCKET ENGINE PROGRAM - STATIC FIRING, IGNITER-RECOVERY
NASA-CR-50652 N63-18207 16-27

ALGOL SOLID-PROPELLANT ROCKET ENGINE PROGRAM - STATIC FIRING, IGNITER-RECOVERY
NASA-CR-50635 N63-18208 16-27

CORROSION RATES OF REFRACTORY METALS EXPOSED TO MOLTEN LITHIUM, SODIUM, POTASSIUM AND MAGNESIUM - LIQUID METAL COOLANT FOR ROCKET NOZZLE
N63-18356 17-02

SUITABILITY OF HIGH CHAMBER PRESSURES FOR LAUNCH VEHICLE ENGINES - EFFECTS ON THERMODYNAMIC EFFICIENCY AND COMBUSTION STABILITY
NASA-CR-50584 N63-18488 17-27

STORABLE LIQUID PROPELLANTS - NITROGEN TETROXIDE, AEROZINE 50 AND RELATED COMPOUNDS
LRP-198 /2D ED./ N63-18834 18-26

POLARIS MISSILE DEVELOPMENT - HYDROSTATIC PRESSURE TESTING OF FILAMENT WOUND CHAMBER
B-195 N63-19285 18-17

FORGING PARAMETERS FOR FIRST STAGE POLARIS MODEL A3 TUNGSTEN NOZZLE INSERTS N63-19332 18-18

FORGING, RING ROLLING, AND SHEAR SPINNING TUNGSTEN NOZZLE INSERTS FOR ADVANCED POLARIS MOTORS
N63-19381 18-17

HIGH TEMPERATURE CREEP RUPTURE CHARACTERISTICS OF UNALLOYED MOLYBDENUM FORGINGS PRODUCED FROM ARC-CAST AND PRESSED-AND-SINTERED MATERIALS
N63-19612 19-33

ACOUSTICAL ANALYSIS OF FILAMENT-WOUND POLARIS COMBUSTION CHAMBERS N63-22178 23-30

RESIN SYSTEM FOR FILAMENT WOUND STRUCTURES - POLARIS MISSILE PROGRAM N63-22504 23-19

POLARIS MISSILE PROGRAM - FILAMENT-WOUND COMBUSTION CHAMBER PERFORMANCE & WINDING PATTERNS
N63-22533 23-30

FILAMENT-WOUND CHAMBERS FOR POLARIS-A3 MOTORS
N63-22574 23-27

IMPROVED UNIFORMITY AND STRENGTH UTILIZATION IN PREIMPREGNATED ROVING FOR FILAMENT-WOUND ROCKET CHAMBERS - POLARIS MISSILE N63-23069 24-17

HYDROSTATIC-TEST PARAMETERS ON STRUCTURAL INTEGRITY OF FILAMENT-WOUND CHAMBERS - POLARIS MISSILE PROJECT N63-23191 24-30

POLARIS PROGRAM - IMPROVED EPOXY RESIN SYSTEM FOR FILAMENT-WOUND STRUCTURES N63-23803 24-19

AEROJET-GENERAL NUCLEONICS, SAN RAMON, CALIF.
HECTIC-II - FORTRAN COMPUTER PROGRAM FOR HEAT TRANSFER ANALYSIS OF GAS OR LIQUID COOLED REACTORS - APPLICATION TO OTHER HEAT EXCHANGERS
IDO-28595 N63-12494 06-23

NOISE SPECTRUM AND TRANSFER FUNCTION ANALYSIS OF GAS-COOLED REACTOR AND ARMY REACTOR ML-1
AGN-TM-399 N63-12602 06-23

COMPATIBILITY TESTS OF HASTELLOY X IN OIL-CONTAMINATED COOLANT GASES

AGN-TM-401 N63-13305 07-18

HIGH-TEMPERATURE IRRADIATION OF URANIUM DIOXIDE-BERYLLIUM OXIDE REACTOR FUELS
IDO-28600 N63-13306 07-23

ARMY GAS-COOLED REACTOR SYSTEMS PROGRAM - ML-1 ELECTRICAL POWERPLANT, DYNAMOMETER, MILLETRON COMPUTER
IDO-28602 N63-13627 08-10

FISSIOCHEMISTRY - NUCLEAR REACTOR PROCESS FOR PRODUCTION OF HYDRAZINE FROM AMMONIA
ASD-TR-7-840A/VII/ N63-13706 08-07

ELECTRODELESS PULSED PLASMA PROPULSION
AGN-AN-759 N63-13757 08-27

ML-1 ARMY GAS COOLED REACTOR - HEAT TRANSFER AND FLUID FLOW WITH BOUNDARY LAYER TURBULENCE
IDO-28578 N63-14573 10-13

ANALOG COMPUTER STUDY OF ML-1 NUCLEAR POWERPLANT - GAS-COOLED REACTOR
AGN-TM-400 N63-14723 11-06

DENSITY & VAPOR PRESSURE OF RUBIDIUM & CESIUM FOR USE IN HIGH TEMPERATURE HEAT TRANSFER - LIQUID METAL COOLED REACTOR N63-15006 11-13

HIGH-TEMPERATURE LIQUID-METAL HEAT TRANSFER - RUBIDIUM-CESIUM EVALUATION HEAT TRANSFER AND FLUID FLOW STUDIES IN FORCE CONVECTION - LOOP DESIGN N63-15014 11-13

TUBE BUNDLE FAILURE IN GAS-COOLED REACTORS AND ANALYSIS OF BOLT AND SCUFF PLATE FAILURE
IDO-28597 N63-15222 11-10

GAS COOLED REACTORS - HEAT RESISTANT ALLOYS AS CLADDING FOR FUEL ELEMENTS
IDO-28605 N63-17332 15-18

ARMY GAS-COOLED REACTOR SYSTEM PROGRAM
IDO-28607 N63-17960 16-23

GAS-COOLED NUCLEAR REACTOR SYSTEMS
IDO-28612 N63-22177 23-23

GAS-COOLED REACTOR SYSTEMS PROGRAM FOR DEFECTIVE FUEL ELEMENT TESTING
AGN-TM-404 N63-23742 24-23

SYNTHESIS OF HIGH ENERGY LIQUID OXIDIZER BY FISSION FRAGMENT RADIOLYSIS
AN-1048 N63-23758 24-23

AERONAUTICAL CHART AND INFORMATION CENTER, ST. LOUIS, MO.

SPACE REFERENCE SYSTEMS - NAVIGATION AND GUIDANCE
ACIC-TR-98 N63-14856 11-29

RELATIONSHIP OF EARTH FLATTENING TO GRAVITATIONAL POTENTIAL HARMONICS AND SATELLITE MEASUREMENTS
TM-18 N63-14859 11-12

GEOCENTRIC COORDINATES OF OBSERVATION SITES FROM PHOTOGRAPHIC PLATE AND ORBITAL DATA N63-14968 11-12

AERONAUTICAL RESEARCH ASSOCIATES OF PRINCETON, INC., N.J.

ANALYSIS OF VORTICES IN CYLINDER VORTEX CHAMBER
ARAP-47 N63-12987 07-11

ENERGY AND MOMENTUM EXCHANGE BETWEEN NON-EQUIPARTITION GASES
ARAP-5-P N63-13916 09-23

SYNTHESIS OF OPTIMAL CONTROL SYSTEMS N63-15631 12-09

VELOCITY AND PRESSURE DISTRIBUTION FOR UNSTEADY MOTION IN THREE-DIMENSIONAL VORTICES - NAVIER-STOKES EQUATION
ARAP-50 N63-15900 13-11

LINEARIZED PRESSURE DISTRIBUTION WITH STRONG SUPERSONIC ENTROPY LAYER
ARAP-44 N63-16841 14-11

FOUNDATIONS OF NONEQUILIBRIUM STATISTICAL MECHANICS
ARAP-49, PT. 1 N63-17241 15-20

FOUNDATIONS OF NONEQUILIBRIUM STATISTICAL MECHANICS
ARAP-49, PT. II N63-17242 15-20

KINETIC EQUATIONS FOR GASES IN EXTERNAL FIELDS - PLASMAS
ARAP-48 N63-17243 15-20

DISTRIBUTION FUNCTION FOR WEAK COUPLING KINETIC THEORY
ARAP-6-R N63-17571 16-20

PHILOSOPHY OF IRREVERSIBLE DYNAMICS - FOUNDATIONS OF NONEQUILIBRIUM STATISTICAL MECHANICS
ARAP-7-P-1 N63-17576 16-20

KINETICS OF NONEQUILIBRIUM STATISTICAL MECHANICS
ARAP-7-P-2 N63-17577 16-20

KINETIC MODEL FOR GASES WITH INTERNAL DEGREES OF FREEDOM - SQUID PROJECT
ARAP-9-P N63-19042 18-11

RECOMBINATION EFFECTS IN RELAXATION OF NON-EQUIPARTITION GAS MIXTURE OF IONS, NEUTRALS, AND ELECTRONS
ARAP-8-P N63-19116 18-24

GAS DYNAMICS - NONEQUILIBRIUM STATISTICAL MECHANICS N63-21563 22-11

GAS DYNAMICS - RELAXATION OF GASES TOWARDS CONTINUUM FLOW N63-21564 22-11

AERONAUTICAL RESEARCH COUNCIL /GT. BRIT./

CONTROL OF SHOCK-INDUCED BOUNDARY-LAYER SEPARATION WITH DISCRETE AIR JETS
ARC-19865 N63-10138 01-11

SIMILARITY REQUIREMENTS FOR AEROTHERMOELASTIC TESTS ON REDUCED SCALE MODELS
ARC-CP-611 N63-10139 01-02

COMPARISONS OF LARGE AND SMALL MODELS OF SLENDER WINGS IN A TRANSONIC WIND TUNNEL
ARC-R&M-3287 N63-10456 01-03

FLOW ABOUT HALF-WING OF CROPPED DELTA PLANFORM
ARC-R&M-3286 N63-11901 04-03

FREE FLIGHT MEASUREMENTS OF PRESSURE DISTRIBUTION AT TRANSONIC AND SUPERSONIC SPEED ON BODIES OF REVOLUTION HAVING PARABOLIC AFTERBODIES
ARC-R&M-3290 N63-11902 04-02

AERODYNAMIC FORCES ON OSCILLATING TWO-DIMENSIONAL WING IN ACCELERATED SUPERSONIC FLIGHT
ARC-R&M-3299 N63-11903 04-03

INFLUENCE OF LEADING EDGE RADIUS AND SWEEPBACK ON DEVELOPMENT OF LEADING EDGE VORTICES BY ANALYZING WING SURFACE OIL FLOW PATTERNS
CP-583 N63-11925 04-03

EQUILIBRIUM PISTON TECHNIQUE FOR GAS GUN OPERATION
CP-607 N63-11926 04-11

SMALL PERTURBATIONAL ANALYSIS OF ROTATING STALL IN INVISCID, INCOMPRESSIBLE FLOW
CP-609 N63-11927 04-11

FLOW FIELD & PRESSURE DISTRIBUTION MEASUREMENTS ON BLUNT-NOSE BODIES - SONIC LINE, BOW SHOCK WAVE SHAPE, STANDOFF DISTANCE
ARC-CP-615 N63-12093 05-02

MEASUREMENT OF PITCHING-MOMENT DERIVATIVES FOR RIGID TAPERED WINGS OF HEXAGONAL PLANFORM OSCILLATING IN SUPERSONIC FLOW
ARC-R&M-3294 N63-12128 05-03

FLOW FIELD AND BURSTING PHENOMENON OF SWEPTBACK WING LEADING EDGE VORTICES

ARC R&M-3282 N63-13351 08-11

MAXIMUM CROSS SECTIONAL AREA EFFECT ON DELTA WING WAVE DRAG AND PRESSURE DISTRIBUTION
ARC-CP-606 N63-13541 08-03

FLUTTER OF OSCILLATING WINGS IN SUBSONIC FLOW
ARC-R&M-3302 N63-13786 09-20

FREE AXISYMMETRIC JET MIXING AT MACH 1.40 - JET TURBULENCE, STATIC-DYNAMIC PRESSURE, BOUNDARY LAYER-SHOCK WAVE INTERACTION & VELOCITY PROFILES
ARC-R&M-3292 N63-13787 09-11

DESIGN OF WING-BODY COMBINATION OF LOW ZERO-LIFT DRAG RISE AT TRANSONIC SPEED
ARC-R&M-3279 N63-13802 09-02

MIXING OF FREE AXISYMMETRICAL JETS OF MACH 1.40 BY SCHLIEREN PHOTOGRAPHY
ARC-R&M-3291 N63-13803 09-11

CALIBRATION OF CONICAL PROBE TO MEASURE PRESSURE, FLOW ANGLES AND MACH NUMBER
ARC-CP-628 N63-13804 09-15

FORCES OCCURRING IN SEAPLANE IMPACT TESTS - SUNDERLAND-V FLYING BOAT
ARC-R&M-3285 N63-13842 09-20

LAMINAR MIXING OF NONUNIFORM STREAM WITH FLUID AT REST
ARC-CP-613 N63-13846 09-11

QUALITATIVE SOLUTION OF STABILITY EQUATION FOR BOUNDARY LAYER IN CONTACT WITH VARIOUS FORMS OF FLEXIBLE SURFACE
ARC-CP-622 N63-13847 09-11

PRESSURE RECOVERY AND MASS FLOW OF RECTANGULAR MULTI-SHOCK AND ISENTROPIC EXTERNAL COMPRESSION INTAKES AT MACH 2.9
ARC-CP-630 N63-13848 09-11

PRESSURE MEASUREMENTS ON CONE-CYLINDER-FLARE CONFIGURATION AT SMALL INCIDENCES FOR FREE STREAM MACH NUMBER OF 6.8
ARC-CP-632 N63-13849 09-02

COMPARISON OF FLOW OVER FLAT DELTA WING AND RECTANGULAR PYRAMID USING SLENDER BODY THEORY
ARC-CP-637 N63-13850 09-02

CONICAL CAMBER USED TO PRODUCE FLOW ATTACHMENT AT LEADING EDGE OF DELTA WING AND TO MINIMIZE LIFT DEPENDENT DRAG AT SONIC AND SUPERSONIC SPEEDS
ARC-R&M-3289 N63-13856 09-11

BUCKLING OF TAPERED PLATES USED IN AIRCRAFT STRUCTURES
ARC-R&M-3309 N63-13967 09-33

HEAT TRANSFER THROUGH A CONSTANT-PROPERTY LAMINAR BOUNDARY LAYER - PART I, LIGHTHILL METHOD - PART II, STRATFORD METHOD
ARC-R&M-3300 N63-13968 09-13

STABILITY DERIVATIVES FOR TAPERED WINGS OF HEXAGONAL PLANFORM OSCILLATING IN SUPERSONIC STREAM
ARC-R&M-3298 N63-15742 12-03

AERODYNAMICS OF JET FLAPS - LIFT, PITCH, DOWNWASH, AND SIDESLIP
ARC-R&M-3304 N63-15743 12-03

OSCILLATORY AERODYNAMIC DERIVATIVES FOR WING WITH CONTROL SURFACE - PITCH TRANSLATION AND ROTATION
ARC-R&M-3307 N63-15744 12-03

STABILITY OF AIRCRAFT WITH AUTOMATIC THROTTLE AND ELEVATOR CONTROL - STUDY BY ANALOG COMPUTER
ARC-R&M-3314 N63-15833 13-04

EFFECT OF CHANGE IN AXIAL VELOCITY ON POTENTIAL FLOW THROUGH CASCADE OF AEROFOILS - TURBOMACHINES AND SOLID WALL WIND TUNNELS
ARC-CP-619 N63-16166 13-03

FLUCTUATIONS IN TURBULENT BOUNDARY LAYER OF FAIREY DELTA 2 AIRCRAFT - MEASUREMENT OF SURFACE PRESSURE AND STRUCTURAL STRAIN
RAC-CP-638 N63-16169 13-04

SKIN TAPER AND AEROELASTIC PROPERTIES OF WINGS
ARC-CP-642 N63-16415 14-03

EQUILIBRIUM GAS DYNAMICS AND PROPERTIES BEHIND INCIDENT AND REFLECTED NORMAL SHOCK WAVES IN SHOCK TUBE - NITROGEN AND OXYGEN
ARC-CP-626 N63-16881 14-11

MOMENTS OF INERTIA FOR AVRO 707B AIRCRAFT - MEASUREMENT BY SPRING-CONSTRAINED OSCILLATION
ARC-CP-647 N63-16882 14-04

BOUNDARY LAYER CONSTRICTIVE EFFECT - INDUCING ACCELERATION OF FLOW BEHIND SHOCK WAVE IN SHOCK TUBE
ARC-CP-625 N63-16895 14-11

VERTICAL TAKEOFF AND LANDING PLANFORM - JET THRUST AND GROUND EFFECT - SHORT SC.1 AIRCRAFT
ARC-R&M-3313 N63-17120 15-04

GROUND PRESSURE EFFECT & SONIC BOOM OF FAIREY DELTA 2 AIRCRAFT IN SUPERSONIC FLIGHT
ARC-R&M-3296 N63-17121 15-04

UPWASH IN RECTANGULAR WIND TUNNEL WITH VISCOUS FLOW - BOUNDARY CONDITIONS
ARC-R&M-3322 N63-17122 15-20

AERODYNAMIC AND MECHANICAL TESTS OF A MODEL VARIABLE SUPERSONIC NOZZLE
ARC-CP-629 N63-17144 15-02

ION DENSITY AND TEMPERATURE OF WATER STABILIZED PLASMA ARC FROM OBSERVATIONS OF HYDROGEN BETA LINE AND HYDROGEN GAMMA LINE PROFILES
ARC-CP-614 N63-17145 15-20

LARGE LOW SPEED AXIAL FLOW COMPRESSOR
ARC-CP-620 N63-17146 15-17

PHOTOGRAPHIC STUDY OF ORIGIN AND DEVELOPMENT OF FATIGUE FRACTURES IN AIRCRAFT STRUCTURES
RAE-R-STRUCT-267 N63-17198 15-33

DEEP ELECTROLYTIC TANK AS LIFTING-SURFACE CALCULATOR - ELECTRIC ANALOGY
ARC-R&M-3301 N63-17209 15-15

DRAG AND PRESSURE DISTRIBUTION MEASUREMENTS AT MACH 1.41 ON THIN CONICALLY-CAMBERED ELLIPTIC CONE OF 30-DEG SEMI-VERTEX ANGLE
ARC-R&M-3306 N63-17523 16-02

MEASUREMENT OF PITCHING-MOMENT DERIVATIVES FOR BLUNT-NOSED AIRFOILS OSCILLATING IN TWO-DIMENSIONAL SUPERSONIC FLOW
ARC-R&M-3315 N63-17904 16-03

PLANE AND CAMBERED DELTA WINGS AT TRANSONIC MACH NUMBERS - FLOW PATTERN - NONLINEAR LIFT FORCE
ARC-R&M-3305 N63-18064 16-03

LONGITUDINAL STABILITY DERIVATIVES OF 60-DEG DELTA WING AIRCRAFT /FAIREY DELTA 2/ MEASUREMENTS IN FLIGHT
ARC-CP-639 N63-20047 19-04

NONEQUILIBRIUM FLOW OF POLYATOMIC GAS THROUGH NORMAL SHOCK WAVE
ARC-CP-645 N63-20237 20-11

AIRCRAFT STABILITY & RESPONSE - PEAK AMPLITUDES OF INCIDENCE & SIDESLIP IN ROLLING MANEUVERS DUE TO INERTIA CROSS-COUPLING
ARC-R&M-3293 N63-21257 21-03

FREE-FLIGHT MEASUREMENTS OF DYNAMIC LONGITUDINAL STABILITY CHARACTERISTICS OF WIND TUNNEL INTERFERENCE MODEL
ARC-CP-648 N63-21295 21-02

STEADY EXPANSION OF SHOCK-PROCESSED NITROGEN GAS IN THE REFLECTED SHOCK WIND TUNNEL - PERFORMANCE

ARTS
C-CP-633 N63-21310 21-11

ND VANE MEASUREMENT OF AERODYNAMIC INCIDENCE - ATIC POSITION ERROR & RELATION TO AERODYNAMIC MPING AND VISCOUS FRICTION
C-CP-652 N63-21799 22-02

FT SLOPE VALUES OBTAINED FROM FLIGHT MEASUREMENT GUSTS
C-CP-651 N63-21836 22-02

NG-AILERON FLUTTER USING GROUND-LAUNCHED ROCKET DEL
C-CP-627 N63-21837 22-33

ST DEPOSITION AS MEANS OF SURFACE FLOW SUALIZATION
C-CP-631 N63-22031 22-11

TERAL STABILITY TEST OF DELTA 2 RESEARCH RCRAFT - RESPONSE AFTER RUDDER PULSE
C-CP-653 N63-22051 22-03

UMINUM ALLOY PROPERTY CALCULATIONS - OVER-AGING CUMULATIVE EFFECTS OF SOAKING AT TWO OR MORE MPERATURES - TENSILE TEST
C-CP-506 N63-22207 23-18

EDICTING POTENTIAL FLOW AROUND ARBITRARY RFOILS IN CASCADE
C-CP-618 N63-22208 23-03

IAL LOAD DIFFUSION INTO THIN-WALLED REINFORCED LINDRICAL SHELL
C-CP-644 N63-22209 23-33

OPAGATION OF FATIGUE CRACKS IN UNSTIFFENED UMINUM ALLOY SHEETS - UNSTABLE CRACK LENGTH AND TE OF CRACKING
C-CP-655 N63-22210 23-18

EORETICAL PLASTICITY AND DETERMINATION OF STRESS STRIBUTION DUE TO TRANSVERSE CRACK IN SHEET DER TENSION
E-R-STRUCT-278 N63-22211 23-33

WER SPECTRA OF VERTICAL COMPONENT OF ATMOSPHERIC RBULENCE OBTAINED FROM CONCURRENT MEASUREMENTS AIRCRAFT AND FIXED POINTS
C-CP-689 N63-22212 23-04

SE FLOW ON BLUNT TRAILING-EDGE WINGS AT SUBSONIC D SUPERSONIC SPEEDS
C-R&M-3323 N63-22214 23-02

UTTER ANALYSIS OF WING CARRYING FLEXIBLY UNTED MASS
E-R-STRUCT-261 N63-22215 23-33

T NOISE REDUCTION USING CYLINDRICAL SHROUD
C-R&M-3320 N63-22388 23-27

ND TUNNEL STUDY OF AIR BRAKE CONFIGURATIONS ON LF-MODEL OF VICKERS VALIANT BOMBER
C-CP-621 N63-22853 23-03

REE-DIMENSIONAL TURBULENT BOUNDARY LAYERS - LCULATION OF VELOCITY PROFILES AND SHEAR STRESS MPONENTS
C-CP-635 N63-22854 23-11

LL CORRECTIONS FOR WINGS OSCILLATING IN CTANGULAR WIND TUNNELS UNDER SYMMETRICAL OR TISYMMETRICAL LOADING
C-R&M-3312 N63-23250 24-03

ASTIC CURVES REPRESENTING PARACHUTE CANOPY APES AND STRESSES
C-CP-665 N63-23744 24-02

TRAPOLATION AND SCATTER OF CREEP RUPTURE AND RAIN DATA
C-CP-680 N63-23745 24-33

FECTS OF END PLATES ON THREE-DIMENSIONAL PARATED FLOW AT ENDS OF CYLINDRICAL MODELS
C-CP-683 N63-23746 24-11

SHOCK TUBE PRESSURE CALIBRATION FOR USE AS DRIVER OF COLD, HIGH DENSITY HYPERSONIC TUNNEL
ARC-CP-698 N63-23747 24-10

STABILITY AND CONTROL PROBLEMS OF A HOVERING JET-LIFT AIRCRAFT - FLYING BEDSTEAD
ARC-RM-3336 N63-23776 24-04

AERONAUTICAL RESEARCH INST. OF SWEDEN, STOCKHOLM.
SPEED AND SAFETY IN CIVIL AVIATION
WGL PAPER-7 N63-10006 01-04

WING-BODY INTERFERENCE AT HYPERSONIC SPEEDS - THEORY AND WIND TUNNEL TESTS
FFA-91 N63-12001 05-02

PLANNING TO LIMIT AIRPORT NOISE
FFA-MEMO-PE-13 N63-13971 09-04

SAFETY AND REPAIR RATE WITH REGARD TO FATIGUE IN CIVIL AIRCRAFT STRUCTURES
FFA-MEMO-PE-15 N63-13972 09-04

DELTA WINGS AT SUPERSONIC SPEED - HEAT TRANSFER, RECOVERY TEMPERATURE, AND PRESSURE DISTRIBUTION
FFA-93 N63-17075 15-03

ECONOMIC IMPACT OF SUPERSONIC TRANSPORT AIRCRAFT ON COMMERCIAL AVIATION
FFA-94 N63-17596 16-01

SPEED AND SAFETY IN CIVIL AVIATION
FFA-95 N63-19982 19-22

AERONAUTICAL RESEARCH LABS., MELBOURNE /AUSTRALIA/.
A VACUUM-STABLE MICROBALANCE FOR HIGH TEMPERATURE OXIDATION ANALYSES
ARL/MET-15 N63-10876 02-15

RESIDUAL STATIC STRENGTH OF STRUCTURES CONTAINING CRACKS
ARL/SM-288 N63-10907 02-33

AUTOMATIC PRESSURE RATIO INDICATOR FOR WIND TUNNELS
ARL/A-198 N63-11043 03-15

FLEXIBILITY MATRICES FOR ELEMENTS OF CONSTANT AND VARIABLE CROSS SECTIONS UNDER GENERAL LOADING
ARL-SM-279 N63-12774 06-33

TIRE IMPACT TESTS ON AIRPORT RUNWAY LIGHTS
ARL-SM-103 N63-12807 06-33

SELF TEMPERATURE COMPENSATED GAUGE SYSTEM FOR STRAIN ANALYSIS
ARL/ME-251 N63-13290 07-15

EFFECTS OF SILVER ON AGING OF ALUMINUM ALLOYS - ALUMINUM-COPPER, ALUMINUM-MAGNESIUM AND ALUMINUM-COPPER-MAGNESIUM ALLOYS
ARL/MET-45 N63-15732 12-18

FATIGUE PROPERTIES OF D.T.D. 683 ALUMINUM ALLOY DETERMINED BY FATIGUE TEST
ARL/SM-287 N63-15870 13-18

SUBSONIC FLOW INTERFERENCE IN SLOTTED WIND TUNNEL
ARL/A-123 N63-16828 14-02

FOKKER FRIENDSHIP AIRCRAFT - FATIGUE LOAD METERS
ARL/SM-276 N63-17233 15-15

INTERACTION OF REFLECTED SHOCK WAVE AND LAMINAR BOUNDARY LAYER IN SHOCK TUBE
ARL/A-204 N63-17575 16-11

PRESSURE SCALING IN RAMJET COMBUSTOR WITH FUEL INJECTION N63-18584 17-26

DETERMINATION OF SILVER IN ALUMINUM ALLOYS BY ATOMIC ABSORPTION SPECTROSCOPY
ARL/MET-46 N63-19625 19-18

PRECISION JET EXHAUST TEMPERATURE INDICATOR FOR FLIGHT USE
ARL/F-33 N63-19903 19-15

PROJECTED SYMBOLIC DISPLAYS FOR GENERAL AIRCRAFT

ARL/HE-14 N63-19904 19-22

PROJECTED DISPLAYS OF FLIGHT INFORMATION - LANDING AIDS
ARL/HE-2 N63-19905 19-22

MEMORY STORAGE UNIT FOR AIRCRAFT ACCIDENT INVESTIGATION
ARL/ME-105 N63-19906 19-08

FLIGHT TESTS OF VAMPIRE MK.35 TRAINER AIRCRAFT
ARL/SM-275 N63-19907 19-04

SILVER ADDITION EFFECT ON AGING OF ALUMINUM-ZINC-MAGNESIUM ALLOYS
ARL/MET-49 N63-19908 19-18

CORROSION OF HIGH STRENGTH ALUMINUM-COPPER AND ALUMINUM-ZINC-MAGNESIUM ALLOYS
ARL/MET-47 N63-19933 19-18

RESIDUAL STRENGTH OF MUSTANG WINGS CONTAINING FATIGUE CRACKS - CRACK PROPAGATION
N63-20099 20-18

INCREASING THE STABILITY OF SERIES TUBE-REGULATED DC POWER SUPPLY EMPLOYING CASCODE SHUNT AMPLIFIER
ARL/1-62 N63-21256 21-09

LIFT, PITCHING MOMENT AND DRAG MEASUREMENTS ON A HALF PLANE JINDIVIK TARGET AIRCRAFT
ARL/A-193 N63-22062 22-02

CAVITY FORMATION AND DEFORMATION DURING METAL FATIGUE OF COPPER AND AN ALUMINUM ALLOY
ARL/MET-48 N63-22063 22-18

SHEAR & TENSILE STRESSES IN CORNER NEAR CUT-OUTS COMPARED WITH PANELS OF RIVETED, SPOT-WELDED, BONDED CONSTRUCTION
ARL/SM 291 N63-22064 22-33

AERONAUTICAL SYSTEMS DIV., WRIGHT-PATTERSON AFB, OHIO.

ADAPTIVE FLIGHT CONTROL SUMMARY
WGL PAPER-10 N63-10008 01-09

EFFECTS OF AEROSPACE ENVIRONMENTS ON VIBRATION DAMPING TECHNIQUES AND MATERIALS
N63-10915 02-33

IMPROVED COATINGS FOR TEMPERATURE CONTROL IN A SPACE ENVIRONMENT N63-10916 02-13

FABRICATION OF FOAMED POLYURETHANE STRUCTURES IN A SPACE ENVIRONMENT N63-10923 02-19

AEROTHERMOELASTICITY SYMPOSIUM, 1961
ASD-TR-61-645 N63-11058 03-01

AEROTHERMOELASTIC REQUIREMENTS FOR VEHICLES
N63-11061 03-33

CONTROL SYSTEMS FOR VEHICLES WITH LARGE AEROTHERMOELASTIC EFFECTS N63-11070 03-30

PREDICTION TECHNIQUES APPLICABLE TO REENTRY VEHICLES N63-11074 03-13

MATERIALS AND CONSTRUCTION UNDER SEVERE KINETIC HEATING N63-11078 03-34

WING LEADING EDGE OPTIMIZATION FOR GLIDE REENTRY VEHICLES N63-11082 03-13

THEORY AND ANALYSIS OF THE DYNAMIC STABILITY OF FLEXIBLE-BODIED MISSILES
ASD-TDR-62-627 N63-11409 03-30

EFFECT OF VARIATIONS OF BENDING MODE SHAPE UPON CLOSED-LOOP FEEDBACK CONTROL STABILITY OF ELASTIC, WINGED BOOSTER
ASRMCM-TM-62-11 N63-12683 06-30

QUANTITATIVE ANALYSIS OF ELASTOMERS BY INFRARED SPECTROSCOPY N63-13238 07-07

FLUORINE-CONTAINING 1,2-EPOXIDES FOR THERMALLY STABLE ELASTOMERS N63-13240 07-07

DERIVATIVES OF FERROCENE - PART I, METALLATION
N63-13241 07-0

DERIVATIVES OF FERROCENE - PART 2, REDUCTION PRODUCTS OF BENZOYLFERROCENE AND 1,1-DIBENZOYL-FERROCENE N63-13242 07-0

DERIVATIVES OF FERROCENE - PART 3, ACYLFERROCENES AND ALKYLFERROCENES N63-13243 07-0

VULCANIZATION OF FLUORINE-CONTAINING POLYMERS - HEXAFLUOROPROPYLENE-VINYLIDENE FLUORIDE COPOLYMERS VITON-A RUBBER N63-13244 07-0

STRAIN AGING EFFECTS IN NIOBIUM DUE TO HYDROGEN EMBRITTLEMENT N63-13245 07-1

EFFECT OF GRAVITY ON FREE CONVECTION HEAT TRANSFER BY ELECTROMAGNETIC BODY FORCES
N63-13246 07-1

INITIAL YIELDING AND FRACTURE IN NOTCHED SHEET MOLYBDENUM N63-13247 07-1

HISTORY AND FUTURE OF EXPANDABLE STRUCTURES IN SPACE - DISCUSSION, APPLICATIONS AND RECOMMENDATIONS ON SIX CONCEPTS
N63-14222 09-3

BIBLIOGRAPHY OF SOLID STATE MASER MATERIALS, GAS MASER, AND OPTICAL MASER
ASD-TDR-62-1026 N63-14768 11-2

FLIGHT AND STABILITY STUDY OF CREW EMERGENCY ESCAPE SYSTEM CONFIGURATION
ASRMDD-TM-62-32 N63-14960 11-0

HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER - OVERALL HEAT TRANSFER COEFFICIENTS FOR THE ALKALI METALS SODIUM AND RUBIDIUM, CONDENSATION STUDY
N63-15018 11-1

GAS PHASE RADIOLYSIS OF 2-BUTYNE
ASD-TDR-63-65 N63-15524 12-07

CONTROL SYSTEM OPTIMIZATION, APPLICATIONS, AND SYNTHESIS OF OPTIMAL CONTROL
ASD-TDR-63-119 N63-15626 12-01

HIGH TEMPERATURE COMPOSITE STRUCTURAL CONFIGURATIONS - RADIATIVE THERMAL PROTECTION SYSTEMS FOR 2500 TO 4500-DEG F
N63-16058 13-3

OPTIMIZATION OF LIFTING REENTRY VEHICLES
ASD-TDR-62-1102 N63-16117 13-02

ELECTROSTATIC FIELD INFLUENCE ON FREE CONVECTION HEAT TRANSFER AND ON FLUID MOTION & ORIENTATION - ELECTROHYDRODYNAMICS
ASD-TDR-62-650 N63-16332 13-1

STANDARDIZATION OF ENVIRONMENTAL TEST METHODS FOR AEROSPACE AND GROUND EQUIPMENT
N63-16752 14-10

VIBRATION TESTING OF RB-50 AIRCRAFT
N63-16768 14-3

LOW-FREQUENCY VIBRATION PROPERTIES OF NET CREW SEAT SYSTEM
ASRMDD-TM-63-31 N63-16827 14-1

FATIGUE OF COPPER-ZINC ALLOYS AT 100-DEG K
ASD-TDR-63-252 N63-17021 15-3

SPECTROCHEMICAL DETERMINATION OF BORON IN MOLYBDENUM
ASD-TDR-63-290 N63-17235 15-07

POWER SPECTRAL DENSITY TECHNIQUE APPLICABLE FOR STRUCTURAL DESIGN CRITERIA
ASRMDS-TM-62-4 N63-17670 16-3

AEROELASTICITY - SCALE MODEL CONSTRUCTION FOR FLUTTER TESTS N63-17822 16-3

AEROELASTICITY - WIND TUNNEL TEST METHODS FOR SCALE MODEL FLUTTER N63-17823 16-3

BEARINGS FOR AEROSPACE SYSTEMS - CONTROL DEVICE BEARING N63-17828 16-17

AIR FORCE HYDRAULIC FLUID REQUIREMENTS FOR SPACE VEHICLES, AIRCRAFT, AND MISSILES N63-17839 16-17

GREASE LUBRICANT FOR AEROSPACE SYSTEMS N63-17844 16-17

OIL - DEVELOPMENTS IN AIRCRAFT ENGINE LUBRICANTS N63-17845 16-17

ADVANCED TURBINE ENGINE LUBRICANT REQUIREMENTS - THERMOSTABILITY, OXIDATION RESISTANCE, MINIMUM DEPOSIT FORMATION N63-17848 16-17

LIQUID METAL FLUIDS AS HYDRODYNAMIC BEARING LUBRICANTS IN SPACECRAFT POWER CONVERSION SYSTEMS N63-17853 16-17

TURBINE ENGINE PERFORMANCE VERSUS LUBRICANT DEPOSITS N63-17856 16-17

DEVELOPMENT OF LIQUID LUBRICANTS - MATCHING FLUID PROPERTIES AND REQUIREMENTS N63-17857 16-17

SOLUTION OF FILM CONDENSATION PROBLEM BY SUCCESSIVE ANALYTICAL ITERATION N63-17863 16-11

SOLID FILM LUBRICANTS FOR AIRCRAFT MISSILES AND OTHER WEAPON SYSTEMS N63-17867 16-17

CHEMICAL COMPOSITION AND MOLECULAR STRUCTURE OF FLUIDS FOR HIGH TEMPERATURE LUBRICANTS N63-17871 16-07

LUBRICANT INFLUENCE ON FATIGUE LIFE OF BEARINGS N63-17875 16-17

ELASTIC MODE EFFECT ON CLOSED LOOP DYNAMIC STABILITY OF WINGED ROCKET BOOSTER
ASRMCM-TM-63-1 N63-18155 16-31

ATMOSPHERIC RADIATION - AERIAL PHOTOGRAPHIC CONTRAST ATTENUATION BY THE ATMOSPHERE N63-18482 17-21

CHEMICAL ANALYSIS - DETERMINATION OF TRACE AMOUNTS OF ZIRCONIUM AND TITANIUM IN TUNGSTEN
ASD-TDR-63-358 N63-19041 18-18

PENETRATION OF THUNDERSTORM BY AIRCRAFT FLYING AT SUPERSONIC SPEED - AIRCRAFT EQUIPMENT AND PILOT PERFORMANCE N63-19174 18-04

RADAR PHOTOGRAPHS AND GUST LOADS IN THREE STORMS OF 1961 ROUGH RIDER - PILOT PERFORMANCE N63-19175 18-21

OBJECTIVES OF X-20 PROGRAM - AEROSPACE MEDICINE N63-20558 20-32

BIOASTRONAUTICS IN X-20 AIRCRAFT - AEROSPACE MEDICINE N63-20559 20-32

RIGID BODY-ELASTIC MODE COUPLING EFFECTS ON LONGITUDINAL STABILITY OF DELTA-WINGED AIRCRAFT
FDCC-TM-63-2 N63-22960 23-04

DECELERATION /PARACHUTE/ SYMPOSIUM - HYPERSONIC & SUPERSONIC
ASD-TDR-63-329 N63-23314 24-01

MILITARY AND SCIENTIFIC OBJECTIVES REQUIRING DECELERATORS N63-23327 24-02

RONCA MFG. CORP., BALTIMORE, MD.
DETERMINING GUIDANCE ACCURACY OF AIRBORNE MISSILES USING PHOTOMULTIPLIERS AND FILTERS OF ULTRAVIOLET LIGHT RADIATION N63-20861 21-12

TRAINING AND TRAINING EQUIPMENT REQUIREMENTS FOR FUTURE GROUND OPERATORS & MAINTENANCE PERSONNEL OF ADVANCED SPACE STATIONS
AMRL-TDR-63-67 N63-21366 22-06

AERONCA MFG. CORP., MIDDLETOWN, OHIO.
FOREIGN PROGRESS IN AEROTHERMOELASTICITY - SOVIET UNION N63-11060 03-33

AERONUTRONIC, NEWPORT BEACH, CALIF.
PREDICTION OF HEAT TRANSFER & ABLATION IN AFT-CLOSURE OF SOLID PROPELLANT ROCKET ENGINE N63-10382 01-13

SAMPLING RATE AND ALIASING IN TIME-DIVISION TELEMETRY SYSTEMS
ASD-TR-61-553 N63-10481 01-08

THERMODYNAMICS OF BERYLLIUM PROPELLANT COMBUSTION PRODUCTS
U-1988 N63-12207 05-26

THEORETICAL PERFORMANCE OF BINARY LIQUID PROPELLANT SYSTEMS - NITROGEN, FLUORINE, CHLORINE, AND BORON PROPELLANTS
C-1960 N63-12832 06-26

INFRARED TRANSMISSION STUDIES - VOL 2, ABSORPTION OF WATER VAPOR
SSD-TDR-62-127, VOL. II N63-13211 07-23

DETONATION BEHAVIOR OF SOLID PROPELLANTS
U-2059 N63-14740 11-26

INFRARED ABSORPTION OF CARBON DIOXIDE
SSD-TDR-62-127, VOL. III N63-14741 11-07

THERMODYNAMIC PROPERTIES OF ROCKET PROPELLANT COMBUSTION PRODUCTS - BERYLLIUM AND ALUMINUM COMPOUNDS
U-2116 N63-16398 14-26

INFRARED SPECTROSCOPY - TRANSMISSION - SPECTRAL LINES AND ABSORPTANCE
SSD-TDR-62-127, VOL, IV N63-16595 14-24

RANGER LUNAR LANDING VEHICLE WITH SEISMOMETER - IMPACT TESTS
LC/B/-417 N63-17034 15-19

DETECTION OF PROTEINS IN TRACE AMOUNTS USING DYES
U-2062 N63-17219 15-07

INFRARED RADIATION TRANSMISSION - TRANSMITTANCE TABLES FOR STRATOSPHERE
SSD-TDR-62-127, VOL. V N63-18722 17-12

MIE SCATTERING AND ABSORPTION OF ELECTROMAGNETIC RADIATION BY ALUMINUM AND MAGNESIUM OXIDES
SSD-TDR-62-127, VOL. VI N63-18839 18-25

RANGER LUNAR LANDING VEHICLE N63-19541 19-32

THERMODYNAMIC PROPERTIES OF ROCKET COMBUSTION PRODUCTS - BERYLLIUM FLUORIDE, BERYLLIUM HYDROXIDE AND BERYLLIUM CHLORIDE
U-2231 N63-19716 19-23

SUPERSONIC FREE-JET CROSSED-FIELD ACCELERATOR USING MONATOMIC GASES
AIAA PAPER-63-005 N63-20342 20-27

SHORT TIME TENSILE PROPERTIES OF GRAPHITE AT VARIOUS ATMOSPHERIC, ANNEALING, AND ARGON PRESSURES
WADD-TR-61-72, VOL. 14 N63-20415 20-19

LUNAR ROUGH LANDING CAPSULE - RETROROCKET & INSTRUMENTATION
NASA-CR-51022 N63-20962 21-32

SPACE DETECTION AND TRACKING SYSTEM /SPADATS/ - MATHEMATICAL MODEL TO DESCRIBE ORBITAL MOTION OF EARTH SATELLITES
U-2202 N63-20998 21-32

BIOCHEMISTRY AND ELECTROCHEMISTRY IN ELECTRICAL ENERGY GENERATION BY BIOLOGICAL CELLS
NASA-CR-51113 N63-21729 22-16

THERMODYNAMIC DATA FOR USE IN ANALYSIS OF PROPULSION SYSTEM - PROPELLANTS & COMBUSTION PRODUCTS
U-2289 N63-22849 23-26

THERMOGRAVIMETRIC AND ELECTRON MICROSCOPIC STUDY OF OXIDATION OF MOLYBDENUM SILICIDES
ASD-TDR-63-753, PT. I N63-23407 24-18

AERONUTRONIC RESEARCH LABS. NEWPORT BEACH, CALIF.
SOLID PROPELLANT COMBUSTION - SCATTERING OF SOUND BY GASEOUS FLAMES - COMBUSTION INSTABILITY
N63-15585 12-26

AEROPHYSICS CO., WASHINGTON, D.C.
COANDA FLOW - JET FLOW - FLUID AMPLIFICATION
N63-13389 08-11

AEROPROJECTS, INC., WEST CHESTER, PA.
ULTRASONIC WELDING OF REFRACTORY METALS AND ALLOYS
N63-16250 13-17

ULTRASONIC WELDING OF REFRACTORY METALS AND ALLOYS
N63-17581 16-18

ULTRASONIC WELDING OF REFRACTORY METALS AND ALLOYS
N63-19291 18-18

ULTRASONIC WELDING OF SELECTED REFRACTORY METALS AND ALLOYS N63-23470 24-18

AEROSPACE CORP., EL SEGUNDO, CALIF.
DISSOCIATED LAMINAR BOUNDARY LAYER FLOW OVER SURFACES WITH CONTINUOUS DISTRIBUTIONS OF CATALYCITY
ATN-63/9206/-2 N63-10564 01-11

INSTABILITIES IN A PLASMA INJECTED INTO A BZ FIELD
TDR-169/3210-02/TN-1 N63-10656 02-24

MACROSCOPIC CONSERVATION EQUATIONS GOVERNING PARTIALLY IONIZED GASES
DCAS-TDR-62-133 N63-10680 02-11

MAGNETOHYDRODYNAMIC TURBULENCE INVESTIGATION
DCAS-TDR-62-167 N63-10682 02-24

MAGNETOHYDRODYNAMIC FLOW PAST A NONCONDUCTING FLAT PLATE IN THE PRESENCE OF A TRANSVERSE MAGNETIC FIELD
DCAS-TDR-62-88 N63-10706 02-24

STABILITY OF THIN WALLED CIRCULAR CONICAL SHELLS OF CONSTANT THICKNESS N63-10836 02-33

EFFECT OF SPACE ENVIRONMENT ON REINFORCED PLASTICS
N63-10925 02-19

OPTICAL INTERFEROMETRY FOR PLASMA DIAGNOSTICS
SSD-TDR-62-155 N63-11331 03-11

APPROXIMATE ANALYSIS OF SIMULTANEOUS GAS-PHASE AND SURFACE ATOM RECOMBINATION FOR STAGNATION BOUNDARY LAYER
TDR-169/3230-12/TN-4 N63-11880 04-11

MAGNETOHYDRODYNAMIC FLOW ANGLE INDICATOR
BSD-TDR-62-318 N63-12039 05-15

NONEQUILIBRIUM-DISSOCIATED STAGNATION POINT BOUNDARY LAYERS WITH ARBITRARY SURFACE CATALYCITY - GENERAL RESEARCH
ATN-63/9206/-3 N63-12087 05-13

MAGNETIC FIELDS IN DIAGNOSTIC METHODS FOR IONIZED GASES - PROBING PLASMA SHEET DURING REENTRY
TDR-169/3153/TR-1 N63-12104 05-15

CHEMICAL, SOLAR, NUCLEAR ENERGY - THERMOELECTRIC & THERMIONIC DEVICES - METALLURGY, REFRACTORY, POLYMERIC & COMPOSITE MATERIALS - ABSTRACTS
TDR-930/2701-01/TN-1, VOL. II
N63-12222 05-27

PHOTOMULTIPLIER READ-OUT FOR BAUSCH & LOMB 1.5-METER STIGMATIC SPECTROSCOPE
TDR-169/3210-06/TR-1 N63-12279 05-15

AEROSPACE MATERIALS - REFRACTORY METALS, COATINGS, FOAMS, WHISKERS, COMPOSITES, AND PLASTICS
TDR-930/2411/TN-1 N63-12904 07-18

BOOSTER-PAYLOAD EFFICIENCY IN MISSILE DESIGN FOR WINDS ALOFT
DCAS-TDR-62-190 N63-12920 07-30

TEST TIME IN LOW PRESSURE SHOCK TUBES - BOUNDARY LAYER AND WALL EFFECTS
TDR-169/3230-12/TN-5 N63-13339 08-11

DEPENDENCE OF SHOCK WAVE STRENGTH ON PROJECTILE SHAPE AND REVIEW OF SHAPE FACTOR THEORY - WING-BODY CONFIGURATION N63-13832 09-02

DYNAMIC STABILITY OF ELASTIC SYSTEMS
SSD-TDR-62-154, VOL. II N63-13955 09-23

APPLICATIONS OF THEORY OF DYNAMIC STABILITY OF ELASTIC SYSTEMS - RODS, ARCHES, BEAMS, PLATES, AND SHELLS
SSD-TDR-62-154, VOL. III N63-13956 09-23

DYNAMIC STABILITY THEORY OF ELASTIC SYSTEMS
SSD-TDR-62-154, VOL. I. N63-14043 09-23

REFRACTORY METAL PROTECTIVE SYSTEMS RESEARCH - MOLYBDENUM, NIOBIUM, TUNGSTEN, TANTALUM - BIBLIOGRAPHY
TDR-169/3240-31/TR-2 N63-14236 10-18

FLIGHT VEHICLE POWER & MATERIALS - CHEMICAL, SOLAR & NUCLEAR ENERGY - ELECTRIC, ELECTRONIC, MAGNETIC, POLYMERIC & COMPOSITE MATERIALS
TDR-930/2701-01/TN-1/IIPT 1-4S
N63-14539 10-01

GRAPHITE COMBUSTION RATE AT BLUNT BODY STAGNATION REGION IN HYPERSONIC FLOW
TDR-169/3230-12/TN-6 N63-14832 11-02

OPTIMAL MODE SWITCHING IN CONTROL SYSTEMS
N63-15629 12-09

OPTIMUM THRUST PROGRAMMING FOR MINIMAL FUEL MIDCOURSE GUIDANCE N63-15630 12-29

ELECTRIC CONDUCTION PROPERTIES OF ORGANIC COMPOUNDS FOR SOLID STATE AND ENERGY CONVERSION DEVICES
DCAS-TDR-62-19 N63-15705 12-07

DYNAMIC STABILIZATION OF PLASMA COLUMN BY RADIO FREQUENCY AZIMUTHAL MAGNETIC FIELD
TDR-930/2210-02/TN-1 N63-15871 13-24

ALIGNMENT OF SUN, EARTH, AND SATELLITE WITH IBM 7090 COMPUTER - ORBIT CALCULATIONS
TDR-930/2352/TR-1 N63-15920 13-29

RE-EXAMINATION OF MINIMUM RANGE CRITERIA FOR RADAR CROSS SECTION MEASUREMENT
CAL-GM-1580-G-101 N63-15945 13-08

ROCKET PROPULSION SYSTEM - NONEQUILIBRIUM FLOW IN ROCKET NOZZLES
TDR-930/2230-06/TR-1 N63-16134 13-02

SHOCK TUBE TEST TIME LIMITATION DUE TO TURBULENT WALL BOUNDARY LAYER
TDR-169/3230-12/TR-3 N63-16474 14-24

ANALYSIS OF NAVIER-STOKES EQUATION FOR THREE-DIMENSIONAL VORTEX FLOWS WITH STRONG CIRCULATIONS
DCAS-TDR-62-77 N63-16491 14-11

NONEQUILIBRIUM ELECTRON TEMPERATURE EFFECTS IN WEAKLY IONIZED STAGNATION BOUNDARY LAYERS
TDR-169/3230-12/TN-7 N63-17331 15-11

MAGNETIC INSULATION EXPERIMENTS WITH TRAVELING MAGNETIC PISTON PLASMA ACCELERATOR
SSD-TDR-63-72 N63-17529 16-11

CHEMICALLY FROZEN BOUNDARY LAYER WITH SURFACE REACTION BEHIND STRONG MOVING SHOCK
TDR-169/3230-12/TN-3 N63-17677 16-11

COUETTE AND STAGNATION BOUNDARY LAYER FLOWS OF PLASMAS
TDR-169/3230-12/TN-2 N63-17678 16-24

BOUNDARY LAYER PRODUCED BY VORTEX FLOW OVER A DISK WITH AN AXIAL MAGNETIC FIELD

N-63/9227/-1 N63-17681 16-24

MINAR BOUNDARY LAYER IN THREE DIMENSIONAL FLOW - AGNATION FLOW AROUND BLUNT BODY AND CONE
D-TDR-62-101 N63-17892 16-11

VERSE METHOD FOR DETERMINING THREE-DIMENSIONAL BSONIC FLOW REGION ABOUT NONAXISYMMETRIC BLUNT DIES AT SUPERSONIC FREE STREAM MACH NUMBER
D-TDR-63-119 N63-18192 16-02

ASMA ACCELERATORS FOR SPACECRAFT PROPULSION - TERACTION AND LOSS MECHANISMS
R-169/3713-01/TR-1 N63-18247 17-24

CLEAR PROPULSION R&D - FLOW VISUALIZATION, RTEX FLOW, AND GASEOUS FISSION REACTOR
R-930/2210-14/TR-1 N63-18718 17-27

FLECTION OF INCIDENT WAVE FROM THE OBLIQUE ORTED END OF RECTANGULAR WAVEGUIDE - CROWAVEGUIDE PROPAGATION
R-169/3230-22/TN-3 N63-18805 18-24

RODYNAMIC INFLUENCE COEFFICIENTS FOR SLENDER DIES - COMPUTATION METHOD ON IBM 7090
R-169/3230-11/TN-6 N63-18891 18-02

ASI-STATIC AEROTHERMOELASTIC PROBLEMS SOLVED BY ROSPACE IBM 7090 COMPUTER PROGRAM LD003A
D-TDR-63-14 N63-19214 18-33

MINAR BOUNDARY LAYER FROM ROTATING FLUID FLOW - MENTUM INTEGRAL SOLUTIONS
N-63/9227/-3 N63-19602 19-11

MINAR BOUNDARY LAYER SIMILARITY SOLUTIONS FOR TATING FLOW WITH AND WITHOUT MAGNETIC TERACTION
N-63/9220/-6 N63-19727 19-11

NPOWER PREDICTION TECHNIQUE VALIDITY - PERSONNEL BSYSTEMS
R-169/3741-08/TN-1 N63-20142 20-01

CHNICAL MANUAL UTILIZATION AND ADEQUACY AT ERATIONAL BALLISTIC MISSILE SITES - PERSONNEL BSYSTEM
R-169/3741-08/TN-2 N63-20143 20-01

AINING EQUIPMENT FOR VARIOUS WEAPONS SYSTEMS OGRAMS
D-TDR-63-127 N63-20144 20-14

MOSPHERIC OZONE MEASUREMENTS FROM POLAR BITING SATELLITE
R-169/3260-50/TN-3 N63-20307 20-12

FECT OF CRYSTAL STRUCTURE IMPERFECTIONS ON LASER TPUT OF RUBY LASERS - DISLOCATION ETCHING
R-169/3240-01/TN-2 N63-20668 20-25

VISCID FLOW ABOUT BLUNTED AXISYMMETRIC BODY AT ALL ANGLE OF ATTACK
R-169/3230-11/TR-3 N63-20819 21-02

LUTE REDISTRIBUTION DURING SOLIDIFICATION OF TECTIC-FORMING MIXTURES
R-169/3240/TN-2 N63-21246 21-19

NE MELTING OF EUTECTIC-FORMING MIXTURES
N-64/9236/-2 N63-21261 21-19

CKLING OF TRUNCATED HEMISPHERE UNDER AXIAL NSION
R-169/3560-30/-TN-2 N63-21420 22-33

GH TEMPERATURE SINGLE CRYSTAL OBSERVATION OF IENTATION RELATIONSHIP IN ZIRCONIA PHASE ANSFORMATION
N-64/9236/-3 N63-22133 22-25

OMAGNETIC FIELD CONSTANTS B AND L FOR VARIOUS NGITUDES
D-TDR-63-221 N63-22369 23-12

TICAL INTERFEROMETRY AS APPLIED TO PLASMA AGNOSTICS
R-269/4280-20/-1 N63-22507 23-24

REFLECTION AND TRANSMISSION OF ELECTROMAGNETIC WAVES FROM INHOMOGENEOUS MAGNETOACTIVE PLASMA SLABS
TDR-169/3230-11/TN-12 N63-22567 23-24

ANALYTICAL DEVELOPMENT AND COMPUTATIONAL PROCEDURE FOR FLUTTER AND VIBRATION ANALYSIS BY COLLOCATION METHOD
SSD-TDR-63-157 N63-22568 23-33

MOTION OF A CENTRIFUGE EQUIPPED EARTH SATELLITE ABOUT ITS CENTER OF MASS
SSD-TDR-63-210 N63-22569 23-30

COMBUSTION RATE OF GRAPHITE EXPOSED TO PLASMA ARC FLOW
SSD-TDR-63-193 N63-22940 23-24

FLIGHT INSTRUMENTATION FOR REENTRY PLASMA SHEATH - INTERACTION OF IONIZED GAS WITH MAGNETIC FIELD FOR POWER AND ATTITUDE CONTROL
TDR-169/3153-20/TN-1 N63-23434 24-24

PLANE CHANGE WINDOWS CONSTRAINED BY BOTH VELOCITY AND AZIMUTH LIMITS FOR SERIES OF TARGET ORBIT INCLINATIONS AND TWO TYPICAL LAUNCH SITES
TDR-269/4130-10/-5 N63-23554 24-30

MICROWAVE COMMUNICATIONS LINK PERFORMANCE
TDR-269/4111/-1 N63-23576 24-08

PROPERTIES OF PURE OXIDE POWDERS OF ALUMINUM, BERYLLIUM, AND MAGNESIUM IN DENSE TRANSLUCENT FORM
SSD-TDR-63-191 N63-23662 24-19

DIFFRACTION OF BLAST WAVE/SHOCK WAVE INTERACTION
TDR-269/4230-30/-1 N63-23720 24-04

PROPERTIES OF ARC-MELTED GRAVITY CAST TITANIUM CARBON ALLOY
SSD-TDR-63-216 N63-23781 24-18

AEROSPACE CORP., LOS ANGELES, CALIF.

SYMPOSIUM ON BALLISTIC MISSILE & SPACE TECHNOLOGY, 1962 - VOL I, SPACE VEHICLES, HYPERSONICS, REENTRY, STRUCTURES, MATERIALS & RELIABILITY
AM-84 N63-10370 01-01

NUCLEAR PROPULSION FOR ORBIT-BASED SPACECRAFT
N63-10383 01-27

MISSILE DESIGN FOR THE EFFECTS OF WINDS ALOFT
N63-10384 01-30

EARTH SATELLITE CONTROL AND CONTROL SYSTEMS - MANNED SPACE ENVIRONMENT - COMMUNICATIONS
MRL-TDR-62-14 N63-10389 01-01

SAFETY DEVICES FOR MERCURY PROJECT - MANNED SPACE FLIGHT N63-17406 15-30

ANALYSIS OF ORBITAL LAUNCH BY LOW THRUST PROPULSION - EQUATIONS OF MOTION
DCAS-TDR-62-27 N63-18119 16-29

AEROSPACE INDUSTRIES ASSN. OF AMERICA, INC., WASHINGTON, D.C.

FACILITIES FOR SPACE ENVIRONMENT SIMULATION - HIGH TEMPERATURE, ACOUSTICS, VIBRATION, RADIATION, HIGH VACUUM
ARTC-30 N63-11182 03-10

AEROSPACE INFORMATION DIV., LIBRARY OF CONGRESS, WASHINGTON, D.C.

GEOMAGNETIC STORM THEORY - SOVIET STUDY
AID-62-166 N63-10275 01-12

EFFECT OF ROTATION OF EARTH ON ATMOSPHERE AND HYDROSPHERE
AID-62-175 N63-10276 01-12

CLOUD MODIFICATION FOR PREVENTION OR MITIGATION OF HAIL
AID-62-176 N63-10277 01-21

SOVIET DESIGNING OF AIRCRAFT GAS TURBINES
AID-62-181 N63-10278 01-33

SOVIET RECOMPUTATION OF THE LATERAL PHOTOVOLTAIC

EFFECT
AID-62-184 N63-10279 01-15

USE OF MAGNETIC AND SOLAR ENERGY, AND PROTECTION FROM METEORS, BASED ON TSANDERS SPACE FLIGHT WORK
AID-62-179 N63-10408 01-29

VARIATIONAL METHODS IN PROBLEMS OF VIBRATION OF LIQUID-FILLED SHELLS
AID-62-203 N63-11344 03-20

ENERGY DISTRIBUTION IN AN UNDERWATER SPARK DISCHARGE - PRESSURE FORMING
AID-62-89 N63-11673 04-17

FORGING OF HEAT RESISTANT STEEL DISKS
AID-62-205 N63-11732 04-17

ATTACHMENT OF EKG ELECTRODES FOR SPACE FLIGHTS
AID-62-200 N63-11834 04-16

BIOMEDICAL CONTROL IN SPACE FLIGHT - VOSTOK I & II
AID-62-201 N63-11835 04-16

PHYSIOLOGICAL RESPONSES OF ASTRONAUTS DURING SPACE FLIGHT
AID-62-202 N63-11836 04-16

REPORT OF POSTFLIGHT MEDICAL EXAMINATIONS OF SOVIET COSMONAUT TITOV
AID-62-204 N63-11837 04-16

DIE FORGING WITH COUNTERPRESSURE - FABRICATION OF REFRACTORY METALS
AID-S-63-3 N63-11930 04-17

AUSFORMING HIGH STRENGTH AUSTENITIC STEELS USING EXTRUSION METHODS
AID-S-63-5 N63-12027 05-18

GEOMAGNETISM AND GEOELECTRICITY IN OCEANS AND SEAS
AID-S-63-4 N63-12137 05-12

PRINTED RESISTORS IN MICROMINIATURE ELECTRONIC EQUIPMENT
AID-S-63-13 N63-12319 05-09

LOCALIZED DIE FORGING OF RIBBED, STIFFENED ALUMINUM ALLOY PANELS
AID-S-63-19 N63-12688 06-17

SOVIET STUDY OF BACTERIA WHICH DAMAGE PETROLEUM IN STORAGE
AID-S-63-26 N63-13554 08-16

METAL POLYCHELATE CATALYTIC PROPERTIES FROM EXPERIMENTATION WITH SODIUM AND COPPER SALTS OF DITHIOCARBAMATE COMPLEXES
AID S-63-34 N63-14373 10-07

TESTS TO DETERMINE MECHANICAL PROPERTIES OF PLASTICS
AID-62-77 N63-17012 15-19

SYNCHRONIZATION OF SELF-OSCILLATIONS IN OSCILLATORS - ANNOTATED BIBLIOGRAPHY
AID-B-63-84 N63-17396 15-23

EMISSION FROM ORGANIC COMPOUNDS - LASER APPLICATION
AID-P-63-85 N63-17397 15-23

SOVIET LITERATURE REVIEW - PROTECTIVE STRUCTURES AND COMPONENTS - GROUND SUPPORT EQUIPMENT
AID-P-63-79 N63-17716 16-10

FILM THICKNESS CONTROL BY QUARTZ CRYSTAL RESONATOR
AID-T-63-86 N63-17902 16-15

EQUATIONS FOR COMPUTING POSITIVE CHARGE OF SUN - MOTION AND HEAT EQUATIONS
AID-T-63-82 N63-17927 16-05

RADIATION EFFECT ON BIOLOGICAL SPECIMENS - RADIATION PROTECTION
AID-996 N63-18217 17-16

SOVIET UNION PLASMA SPECTROSCOPY - BIBLIOGRAPHY
AID-B-63-93 N63-19084 18-24

OPERATING CONDITIONS OF SINGLE-STAGE SELF-OSCILLATOR WITH DELAY
AID-T-63-83 N63-19089 18-0[illegible]

THEORY OF LONG LINES WITH VARYING PARAMETERS ALONG LENGTH - THEORY OF EQUIVALENT RESISTANCE - TRANSMISSION LINES AND CIRCUITS
AID-T-63-90 N63-19125 18-0[illegible]

INSTRUMENTATION USED IN SEARCHLIGHT TECHNIQUES - ATMOSPHERIC OPTICS - LIGHT SCATTERING TECHNIQUES POLARIZATION - PHOTOMETERS
AID-P-63-92 N63-19294 18-1[illegible]

BIBLIOGRAPHY OF SOVIET BLOC LITERATURE ON UNDERGROUND COMMUNICATION
AID-B-63-99 N63-19311 18-0[illegible]

BIBLIOGRAPHY OF SOVIET BLOC LITERATURE - LUNAR DIMENSIONS, 1957 TO 1963
AID-B-63-100 N63-19354 18-29

MEASURING POLARIZATION OF LIGHT IN FOG
AID-T-63-102 N63-19396 18-2[illegible]

NONUNIFORM TRANSMISSION LINE THEORY - RADIO COMMUNICATION
AID-T-63-96 N63-19460 19-08

USSR ABSTRACTS - TELLURIC CURRENTS, METEOROLOGY OF UPPER ATMOSPHERE, SOLAR RADIATION IN IONOSPHERE AND ATMOSPHERIC ELECTRICITY
AID-P-63-87 N63-19514 19-12

SOVIET RESEARCH ON LIFE SUPPORT SYSTEMS - BIO-SCIENCES
AID-P-63-91 N63-20179 20-16

LATTICE DYNAMICS - BIBLIOGRAPHY
AID-B-63-101 N63-20205 20-25

THERMONUCLEAR REACTOR FOR STUDY OF PROCESSES OF PHOTOCHEMISTRY AND RADIOCHEMISTRY AND EFFECTS OF NUCLEAR RADIATION ON SOLIDS AND SEMICONDUCTORS
AID-P-63-88 N63-20252 20-10

SOVIET BIOASTRONAUTICS AND BIOTECHNOLOGY FACILITIES, PROGRAMS, PERSONALITIES
AID-P-63-95 N63-20253 20-16

VOSTOK SERIES OF SPACEFLIGHTS - CUMULATIVE DATA
N63-20740 21-32

THEORY FOR CALCULATING STEP TRANSITIONS IN TRANSMISSION LINES USING CHEBYSHEV POLYNOMIALS
AID-T-63-105 N63-20773 21-20

LIFE SUPPORT SYSTEMS - SPACE MEDICINE AND BIOLOGY, PHYSIOLOGY AND PSYCHOLOGY N63-20793 21-16

SOVIET RESEARCH REACTOR - CORE, FUEL, COOLING, CONTROL, & CONSTRUCTION
AID-P-63-103 N63-21326 21-23

PHOTOELECTRIC PHOTOMETER TO STUDY SCATTERING INDICATRIX AT SMALL SCATTERING ANGLES AND MEASUREMENTS IN OPTICALLY UNSTABLE ATMOSPHERE
AID-T-63-104 N63-21542 22-12

LIFE SUPPORT SYSTEMS FOR SPACE TRAVEL IN SOVIET CRAFT
AID-62-194 N63-21688 22-16

SOLAR RADIATION & THE IONOSPHERE - ATMOSPHERIC ELECTRICITY & METEOROLOGY OF UPPER ATMOSPHERE - REVIEW OF SOVIET LITERATURE
AID-P-63-98 N63-22164 23-12

INSTRUMENTATION FOR STUDYING GEODESY & CARTOGRAPHY OF SOVIET UNION
AID-P-63-107 N63-22440 23-12

PHENOMENA IN UPPER ATMOSPHERE - SOLAR RADIATION & THE IONOSPHERE & METEOROLOGY OF UPPER ATMOSPHERE - REVIEW OF SOVIET LITERATURE
AID-P-63-89 N63-22885 23-28

REVIEW OF SOVIET LITERATURE ON COMMUNICATION NETWORKS & EQUIPMENT

AID-P-63-111 N63-22886 23-08

TIME RESOLUTION CHARACTERISTICS OF PHOTOMULTIPLIER
AID-T-63-112 N63-22887 23-23

PROTECTIVE STRUCTURES AND COMPONENTS BIBLIOGRAPHY
AID-P-63-113 N63-22888 23-34

PURIFICATION OF BORON - ANNOTATED BIBLIOGRAPHY BASED ON SOVIET OPEN LITERATURE
AID-B-63-114 N63-22889 23-07

KINETICS OF STIMULATED MOSSBAUER RADIATION - GAMMA LASER
AID-T-63-106 N63-23018 24-25

MEDICAL MONITORING IN SPACE FLIGHT - METHODS, TECHNIQUES, AND EQUIPMENT
AID-P-63-42 N63-23506 24-16

LIFE SUPPORT SYSTEMS IN MANNED SPACE FLIGHT - MEDICAL AND BIOLOGICAL ASPECTS OF VOSTOK-3 AND VOSTOK-4 SPACECRAFT
AID-62-191 N63-23523 24-32

EROSPACE MEDICAL DIV. AEROMEDICAL RESEARCH LAB. 6571 ST/, HOLLOMAN AFB, N. MEX.
SKELETAL MUSCLE ACTIVITY FOLLOWING IMPACT
ARL-TDR-62-26 N63-11038 03-16

COUNTDOWN AND PROCEDURES FOR MERCURY PROJECT ATLAS-5 FLIGHT
ARL-TDR-62-17 N63-11628 04-16

CHIMPANZEE PERFORMANCE DURING SIMULATED SPACE FLIGHT
ARL-TDR-62-25 N63-11790 04-16

REFLEX BRISKNESS - TENDON REFLEXES
ARL-TDR-62-27 N63-11791 04-16

PSYCHOPHYSIOLOGICAL EFFECTS OF PROLONGED MANNED SPACE FLIGHT - WEIGHTLESSNESS, COSMIC RAYS
ARL-TDR-62-28 N63-11792 04-16

THROMBOPENIA FOLLOWING ABRUPT ACCELERATION AND IMPACT
ARL-TDR-62-30 N63-11793 04-16

NATURAL FREQUENCY OF STERNUM BY ACCELEROMETERS DURING DECELERATION AND IMPACT
ARL-TDR-62-29 N63-12433 06-16

STEEL STRUCTURE FLYWHEEL AS CENTRIFUGE ACCELERATOR
ARL-TDR-63-9 N63-14969 11-34

HISTORY OF BIODYNAMICS - PHYSIOLOGICAL EFFECT OF ACCELERATION AND IMPACT
ARL-TDR-63-10 N63-15076 11-16

MICRO-TECHNIQUE FOR BLOOD GROUPING - HEMAGGLUTINATION REACTION TESTING
ARL-TDR-62-20 N63-15405 12-16

MULTIPLE SHOCK AVOIDANCE SCHEDULE FOR TESTING TEMPORAL DISCRIMINATION IN CHIMPANZEES
ARL-TDR-63-8 N63-15666 12-16

30-DAY STUDY OF CHIMPANZEE PERFORMANCE ON SELF-PACED TASK FOR FOOD AND WATER - WORK/REST CYCLE - ANIMAL STUDY
ARL-TDR-63-15 N63-18729 17-16

EFFECT OF DIMETHYLHYDRAZINE ON COMPLEX AVOIDANCE BEHAVIOR IN JAVA MONKEY - TOXICITY
AMRL-TDR-63-39 N63-19321 18-16

MOTION SICKNESS EXPERIENCES IN WEIGHTLESS FLIGHTS
N63-19834 19-16

OBJECTIVES OF STARGAZER PROJECT - AEROSPACE MEDICINE N63-20561 20-04

GENERALIZATION GRADIENT OF CONDITIONED RESPONSE IN CHIMPANZEES ON VISUAL-SPATIAL STIMULUS LEVEL
ARL-TDR-63-20 N63-20636 20-16

CHIMPANZEE CONDITIONED RESPONSE PERFORMANCE DURING ACCELERATION AT SUSTAINED LOW LEVELS

ARL-TDR-63-6 N63-21218 21-16

AEROSPACE MEDICAL DIV. AEROSPACE MEDICAL RESEARCH LABS. /6570TH/, WRIGHT-PATTERSON AFB, OHIO.
REMOTE HANDLING IN SPACE
AMRL-TDR-62-100 N63-10075 01-14

WEIGHTLESS MAN - SINGLE IMPULSE TRAJECTORIES FOR ORBITAL WORKERS
AMRL-TDR-62-103 N63-10130 01-32

EFFECT OF FORWARD ACCELERATIONS, STAGED EVISCERATION AND SUPPORT SYSTEMS UPON INTRAPULMONARY PRESSURES IN ANIMALS
AMRL-TDR-62-106 N63-10185 01-14

DETERMINATION OF 1,1-DIMETHYL HYDRAZINE IN URINE
AMRL-TDR-62-119 N63-10186 01-16

ULTRA-MICROANALYSIS OF 1,1-DIMETHYL HYDRAZINE IN BLOOD
AMRL-TDR-62-120 N63-10187 01-16

PHYSIOLOGICAL PROTECTION OF THE CSU-4/P HIGH ALTITUDE PRESSURE SUIT
AMRL-TDR-62-112 N63-10678 02-16

BOUNDARY LAYER NOISE MEASUREMENTS OF THE F-102A AIRCRAFT
MRL-TDR-62-71 N63-10906 02-16

VISUAL AND AUDITORY MONITORING TESTS
AMRL-TDR-62-97 N63-10945 02-14

EXCELSIOR PROJECT - BALLOON FLIGHTS, LIFE SUPPORT, SPACE SUIT N63-11156 03-16

PHARMACOLOGY AND TOXICOLOGY OF 1,1-DIMETHYL HYDRAZINE
AMRL-TDR-62-118 N63-11226 03-16

A GALVANIC SKIN RESPONSE SOLID STATE MEASURING INSTRUMENT
AMRL-TDR-62-117 N63-11359 03-16

EFFECT OF RANDOM VARIABLES OF DRIFT PARAMETER ON HUMAN CONTROL OF STOCHASTIC PROCESS
MRL-TDR-62-72 N63-11405 03-14

BIOLOGISTICS FOR SPACE SYSTEMS - ECOLOGICAL SYSTEMS - BIOREGENERATION
AMRL-TDR-62-116 N63-11465 03-16

NUTRITIONAL VALUE OF ALGAE GROWN UNDER STERILE CONDITIONS N63-11484 03-16

SERVO PROPERTIES OF THE GASTROCNEMIUS MUSCLE OF THE CAT
AMRL-TDR-62-108 N63-11787 04-16

LONG TETHERLINES FOR ORBITAL DOCKING OR RECOVERY OF ASTRONAUT OPERATING IN SPACE
AMRL-TDR-62-123 N63-11788 04-16

BIOMECHANICS OF IMPACT INJURY
N63-12856 07-16

COMPARISON OF DYNAMIC CHARACTERISTICS OF DUMMIES, ANIMALS AND MAN - IMPACT STUDIES
N63-12863 07-16

QUALITATIVE AND QUANTITATIVE PERSONNEL REQUIREMENT INFORMATION /QQPRI/ - USES, CONSTRAINTS, DATA, AND DECISION REPORTS
MRL-TDR-62-4 N63-13146 07-01

ONE-MINUTE TOLERANCE IN MAN TO VERTICAL SINUSOIDAL VIBRATION IN SITTING POSITION - RESPIRATION
AMRL-TDR-62-121 N63-13421 08-16

ENDORADIOSONDES - STATE OF THE ART SURVEY
AMRL-TDR-62-122 N63-13937 09-16

VAPOR PRESSURE EFFECTS ON PHYSIOLOGIC STRAIN AND BODY HEAT STORAGE - THERMAL STRESS
AMRL-TDR-62-147 N63-13938 09-16

COST ESTIMATE OF TECHNICAL TRAINING BY CONVENTIONAL AND PROGRAMMED LEARNING METHODS

MRL-TDR-62-79 N63-14044 09-14

PROBLEM SOLVING - SEQUENTIAL ANALYSIS OF TARGET DETECTION - PATTERN RECOGNITION
AMRL-TDR-62-148 N63-14489 10-14

HUMAN PERFORMANCE IN SIMULATED SHORT ORBITAL TRANSFER
AMRL-TDR-62-138 N63-14648 10-14

COMPARISON BETWEEN TRACKING WITH OPTIMUM DYNAMICS AND SIMPLE INTEGRATOR, HUMAN PERFORMANCE
AMRL-TDR-62-150 N63-15180 11-14

SPACECRAFT ORBITAL RENDEZVOUS MANEUVER - MOTION EQUATION FOR DOCKING - SPACE MAINTENANCE
AMRL-TDR-62-124 N63-15320 12-29

GAS ANALYSIS OF GASEOUS EXCHANGE IN CLOSED ECOLOGICAL SYSTEM OF ALGAE, FUNGI, AND RATS
AMRL-TDR-62-139 N63-15356 12-16

PSYCHOMETRICS - SIMULTANEOUS ACTIVATION OF BIMANUAL CONTROLS
AMRL-TDR-63-6 N63-15447 12-14

EVALUATION OF AUTOINSTRUCTIONAL DEVICE USED IN HUMAN TECHNICAL TRAINING
MRL-TDR-62-78 N63-15467 12-14

BIBLIOGRAPHY - BEHAVIORAL SCIENCES, ENGINEERING & TRAINING PSYCHOLOGY, ENVIRONMENTAL STRESS, SIMULATION TECHNIQUES, AND PHYSICAL ANTHROPOLOGY
N63-15966 13-14

EFFECTS OF TEMPERATURE ON HUMAN PERFORMANCE - BIBLIOGRAPHY
AMRL-TDR-63-13 N63-16285 13-14

PHYSIOLOGICAL AND MECHANICAL RESPONSE OF HUMAN TO LONGITUDINAL WHOLE-BODY VIBRATION AS DETERMINED BY SUBJECTIVE RESPONSE
MRL-TDR-62-66 N63-16472 14-14

ADRENALINE AND NONADRENALINE IN URINARY EXCRETION OF HUMAN IMMERSED IN WATER - CATECHOLAMINE
AMRL-TDR-63-20 N63-17666 16-16

NUCLEAR RADIATION - BIOLOGICAL EFFECT AND SHIELDING
MRL-TDR-62-61 N63-18012 16-16

COMPARISON OF CARDIORESPIRATORY RESPONSES OF TEST PILOTS TO NON-FLYERS DURING DIFFERENT PROFILES OF ACCELERATION - G-FORCE EFFECT
AMRL-TDR-62-151 N63-18339 17-16

IMPEDANCE RESPIROMETER - DESIGN AND CIRCUITRY
AMRL-TDR-63-45 N63-18777 18-16

ZERO GRAVITY INDOCTRINATION FOR GEMINI/APOLLO ASTRONAUTS
AMRL-MEMO-P-31 N63-19003 18-14

CORIOLIS EFFECT IN ZERO-GRAVITY RESEARCH AIRCRAFT
MRL-MEMO-P-9 N63-19010 18-04

PSYCHOLOGY AND HUMAN ENGINEERING OF CONDITIONED RESPONSE PATTERNS TO CONTROL PANEL
AMRL-TDR-63-34 N63-19064 18-14

MOTION CHARACTERISTICS OF TETHERED WEIGHTLESS OPERATORS
AMRL-MEMO-P-3 N63-19092 18-14

HUMAN LOCOMOTIVE PERFORMANCE IN ZERO GRAVITY - NEW TYPE SHOE FOR SPACE SUIT
AMRL-MEMO-P-23 N63-19093 18-14

CONTROLLED ROTATION AND STABILIZATION DEVICE FOR MAN IN MOTION BETWEEN SPACECRAFTS - ORBITAL WORKER
AMRL-MEMO-P-21 N63-19143 18-14

EFFECT OF DIMETHYLHYDRAZINE ON COMPLEX AVOIDANCE BEHAVIOR IN JAVA MONKEY - TOXICITY
AMRL-TDR-63-39 N63-19321 18-16

SENSATIONS AND PERFORMANCE OF ORBITAL WORKERS IN WEIGHTLESS CONDITION
AMRL-TDR-62-114 N63-19335 18-11

HEIGHT-WEIGHT SIZING SYSTEM AND FABRICATION OF MANIKINS FOR DESIGNING NEW PROTECTIVE CLOTHING FOR FLIGHT
AMRL-TDR-63-55 N63-19357 18-11

BEHAVIORAL SCIENCE BIBLIOGRAPHY - PSYCHOLOGY AND PSYCHOPHYSIOLOGY N63-19436 19-11

CONSTRUCTION, CAPABILITY & OPERATION OF LIFE SUPPORT SYSTEMS EVALUATOR
AMRL-TDR-63-43 N63-19437 19-11

THERAPY OF ACUTE DIMETHYLHYDRAZINE INTOXICATION
AMRL-TDR-63-44 N63-19452 19-14

DYNAMIC RESPONSE CHARACTERISTICS OF WEIGHTLESS MAN
AMRL-TDR-63-18 N63-19663 19-14

MOTION SICKNESS DURING WEIGHTLESS STATE - PROPHYLAXIS AND ETIOLOGY
AMRL-TDR-63-25 N63-19826 19-14

MOTION SICKNESS FROM FLIGHTS IN C-131B CARGO TYPE AIRCRAFT N63-19827 19-16

PSYCHOLOGICAL AND PHYSIOLOGICAL ETIOLOGY OF MOTION SICKNESS N63-19828 19-16

MOTION SICKNESS AND SPATIAL PERCEPTION
N63-19833 19-16

HUMAN PERFORMANCE FOR MILITARY OPERATIONS IN SPACE - AEROSPACE MEDICINE N63-20557 20-14

INFLUENCE OF LOW-FREQUENCY VIBRATION UPON SPEECH TRANSMISSION
AMRL-TDR-63-49 N63-21059 21-08

HUMAN PERFORMANCE ON AUDITORY AND VISUAL TASKS - CORRELATION OF RESPONSES
AMRL-TDR-63-57 N63-21284 21-08

CREW ACCOMMODATIONS FOR AEROSPACE MISSIONS
MRL MEMO. V-6 N63-21379 22-16

BIBLIOGRAPHY ON BIOACOUSTICS N63-22348 23-16

TIME SCORE FOR PUSH BUTTON OPERATION - MULTIMODAL DISTRIBUTION BY STATISTICAL ANALYSIS - PSYCHOLOGICAL ENGINEERING STUDY
AMRL-TDR-63-29 N63-22392 23-14

PHYSIOLOGIC RESPONSE TO TRANSIENT HEAT STRESS IN REFLECTIVE VERSUS NONREFLECTIVE CLOTHING
AMRL-TDR-63-79 N63-22521 23-14

AUTOMATIC CONTROL OF MAN-MACHINE SYSTEM
AMRL-TDR-63-78 N63-22595 23-20

WORKSPACE CONFIGURATION EFFECT ON HUMAN PERFORMANCE IN REMOVING AND INSTALLING TRANSFORMERS USING VARIOUS SCREWDRIVERS
AMRL-TDR-63-68 /I/ N63-22682 23-14

METABOLIC EFFECTS OF METHIONINE TOXICITY IN RATS - ALTERATIONS IN THE LIVER & INCREASED URINARY EXCRETION OF AMINO ACIDS
AAL-TDR-63-5 N63-22715 23-16

ALTERATION OF CYTOCHROME C LEVEL IN ORGANS OF RATS ON EXPOSURE TO CHRONIC COLD
AAL-TDR-63-6 N63-22716 23-16

EFFECTS OF ACETYLSALICYLIC ACID ON HUMAN SKIN TEMPERATURE AT COLD TEMPERATURES
AAL-TDR-63-14 N63-22717 23-14

WEATHER CONDITIONS EFFECT ON AIRCRAFT MAINTENANCE CREW IN ARCTIC AREAS
AAL-TDR-63-18 N63-22718 23-10

HUMAN TOLERANCE TO ARCTIC WINTER TESTED BY PARTIAL COLD WATER IMMERSION - COLD WEATHER TESTING
AAL-TDR-63-24 N63-22768 23-14

CHECKOUT AND MAINTENANCE TRAINER - DEVICE FOR RESEARCH ON PROBLEMS OF ELECTRONIC MAINTENANCE AND

TRAINING & EVALUATION OF PERSONNEL
AMRL-MEMO-P-35 N63-23159 24-08

DETECTION OF MICROORGANISMS IN JP-4 FUEL FROM MEASURING CARBON DIOXIDE PRODUCED BY CELLULAR RESPIRATION
AMRL-MEMO-M-26 N63-23582 24-26

HUMAN PERFORMANCE TESTING - EXAMINATION PROCEDURES AND TRAINING PROGRAMS
AMRL-MEMO-P-42 N63-23810 24-14

OSPACE MEDICAL DIV. ARCTIC AEROMEDICAL LAB., T WAINWRIGHT, ALASKA.
ARCTIC SURVIVAL RATIONS - DIURNAL VARIATIONS OF LIVER GLYCOGEN CONTENT AND ENZYME ACTIVITIES IN RATS FED PEMMICAN MEALS
AAL-TDR-62-54 N63-17093 15-16

CHANGES IN INTESTINAL BACTERIA OF GROUND SQUIRRELS DURING HIBERNATION
AAL-TDR-62-55 N63-17094 15-16

ALTERATION OF PROTEIN METABOLISM IN RATS DURING COLD EXPOSURE
AAL-TDR-62-60 N63-17095 15-16

EFFECT OF PROTEIN INTAKE AND COLD EXPOSURE ON SELECTED LIVER ENZYMES ASSOCIATED WITH AMINO ACID METABOLISM IN RATS
AAL-TDR-62-61 N63-17096 15-16

INTERRELATIONSHIPS OF COLD EXPOSURE AND AMINO ACID IMBALANCE IN RATS
AAL-TDR-62-62 N63-17097 15-16

COLD WEATHER TESTING OF EXPERIMENTAL FLYING GLOVE - PROTECTIVE CLOTHING
AAL-TN-63-1 N63-17098 15-17

EFFECTS OF COLD ACCLIMATIZATION ON LIVER DI- AND TRI-PHOSPHOPYRIDINE NUCLEOTIDES - ENZYMES IN RATS
AAL-TDR-62-40 N63-17648 16-07

BAILOUT SURVIVAL KIT FOR KC-135 AND U-2 AIRCRAFT
AAL-TN-63-4 N63-19031 18-16

NOREPINEPHRINE THERMOGENESIS IN WARM AND COLD ACCLIMATIZED RATS - CARDIOVASCULAR AND METABOLIC EFFECTS
AAL-TDR-62-51 N63-19057 18-16

ELECTROSTATIC VOLTAGE AND CAPACITANCE ON ACTIVE MEN WEARING ARCTIC CLOTHING ASSEMBLIES AT TEMPERATURES FROM PLUS 5 TO MINUS 43-DEG C
AAL-TDR-63-12 N63-19239 18-19

SEASONAL VARIATIONS IN BLOOD VOLUME AND CIRCULATING METABOLITE LEVELS OF ALASKAN HUSKY DOG
AAL-TDR-62-53 N63-19406 19-16

EVALUATION OF POCKET PEN SURVIVAL FLARES
AAL-TN-63-3 N63-19503 19-09

PULMONARY EFFECTS OF COLD ACCLIMATIZATION AND NOREPINEPHRINE CALORIGENESIS IN RATS
AAL-TDR-62-57 N63-21680 22-16

OSPACE MEDICAL DIV. PERSONNEL RESEARCH LAB. 70TH/, LACKLAND AFB, TEX.
MATHEMATICAL ANALYSIS OF GOAL BEHAVIOR AND JUDGEMENT
PRL-TDR-63-3 N63-16123 13-14

OSPACE RESEARCH, INC., BOSTON, MASS.
TRANSISTORIZED RIOMETER ABSORPTION MEASURING EQUIPMENT - CALIBRATION, DIGITAL DATA CONVERSION, AND ANTENNA SYSTEM
AFCRL-63-177 N63-21394 22-12

OSPACE RESEARCH LABS., WRIGHT-PATTERSON AFB, O.
SURFACE MASS TRANSFER EFFECTS IN NONREACTING BINARY FLUID
ARL-62-396 N63-12025 05-11

OBTAINING NOZZLES OF MAXIMUM THRUST FOR WHICH AN ISOPERIMETRIC CONDITION IS IMPOSED
N63-13835 09-20

METHOD FOR DETERMINATION OF FREE AND TOTAL TITANIUM CONTENTS IN ZIRCONIUM OXIDE-TITANIUM COMPOUNDS
ARL-63-13 N63-14624 10-07

OPTIMIZING THE CONFIDENCE INTERVAL OF STANDARD DEVIATION OF A NORMAL POPULATION
ARL-31, PT. II N63-17572 16-20

AUTOMATIC OPTICAL RANGE FINDER
ARL-63-48 N63-17593 16-08

EQUIPMENT AND TECHNIQUES USED TO OBTAIN ULTRAHIGH VACUUM CONDITIONS IN INTERACTION BETWEEN ELECTRONS AND WELL-DEFINED SURFACES
ARL-63-80 N63-18273 17-07

OPTICAL INSTRUMENT FOR INTERFEROMETRY, DEFLECTION MAPPING, SHADOWGRAPHY AND SCHLIEREN PHOTOGRAPHY
ARL-63-45 N63-18638 17-15

INTERACTION BETWEEN ELECTRONS & WELL-DEFINED SURFACES - HELICAL ELECTRON BEAM INTERACTION WITH UNIFORM ELECTRICAL FIELD
ARL-63-140 N63-23104 24-23

FIRST PLASMA ARC SEMINAR OF THE THERMOMECHANICS RESEARCH LABORATORY
ARL-63-151 N63-23471 24-24

VORTEX STABILIZED LONG ALTERNATING CURRENT ARC DISCHARGE N63-23475 24-24

VORTEX STABILIZED HYDROGEN ARC
N63-23476 24-24

POWER RADIATION FROM ALTERNATING CURRENT ARC - TIME AVERAGE AND TIME VARYING MEASUREMENT
N63-23485 24-13

MOTION OF ELECTRIC ARCS IN TRANSVERSE MAGNETIC FIELDS N63-23488 24-24

AGRICULTURAL RESEARCH SERVICE, RIVERSIDE, CALIF.
TRANSFER OF WATER FROM SOIL TO ATMOSPHERE AS RELATED TO SOIL PROPERTIES, PLANT CHARACTERISTICS, AND WEATHER N63-12167 05-21

AGRICULTURAL RESEARCH SERVICE, WATKINSVILLE, GA.
PLANT TRANSPIRATION AND ENVIRONMENT
N63-17594 16-16

AGRICULTURE DEPT., MACON, GA.
FLAME PROPAGATION RATE OF LABORATORY MODEL CRIB FIRE N63-18579 17-26

AIR FORCE ACADEMY, COLO.
NOTES ON SATELLITES, SPACE NAVIGATION, TRAJECTORIES, REENTRY, TRACKING AND COMMUNICATIONS
N63-20340 20-29

AIR FORCE CAMBRIDGE RESEARCH LABS., BEDFORD, MASS.
HYDROMAGNETIC WAVE TUBE - MODE STRUCTURES
AFCRL-62-550 N63-10136 01-15

SURVEY OF RECENT NUCLEAR REACTION EXPERIMENTS WITH ONE TO THREE MEV PARTICLE ACCELERATORS
AFCRL-62-162 N63-10146 01-23

A COMPUTER PROGRAM FOR SOLVING DIFFERENTIAL EQUATIONS FOR CHEMICAL SPECIES IN THE E-REGION
AFCRL-62-828 N63-10286 01-20

LUNAR THERMAL EMISSION MEASUREMENTS - RADIO ASTRONOMY
AFCRL-62-882 N63-10296 01-05

SYNOPTIC FLARE DATA, 1937 TO 1960
AFCRL-62-827 N63-10490 01-28

PHASE, ATTENUATION, IMPEDANCE CHARACTERISTICS OF COAXIAL TRANSMISSION LINES WITH THIN TUBULAR CONDUCTORS
AFCRL-62-359 N63-10757 02-08

SINGLE CRYSTAL BISMUTH TELLURIDE
AFCRL-62-362 N63-11034 03-25

OBSERVING LASER ACTION FROM THE R2 LINE IN RUBY
AFCRL-62-716 N63-11035 03-23

SPEECH COMPRESSION STUDIES
AFCRL-62-739 N63-11036 03-08

EVALUATION OF TUNNEL DIODES AT MICROWAVE FREQUENCIES
AFCRL-62-579 N63-11037 03-09

RADIO MEASUREMENTS OF TWO TOTAL SOLAR ECLIPSES
AFCRL-62-852 N63-11196 03-05

METEOROLOGY, ELECTROMAGNETIC WAVES, AEROSPACE SCIENCE, PLASMA PHYSICS, SOLAR AND PLANETARY STUDIES
AFCRL-62-714 N63-11223 03-01

FIREFLY PROJECT - BRODE BLAST WAVE THEORY - AMBIENT PRESSURE OF EXPLOSIVE RELEASES - VOL. IV
AFCRL-62-826 N63-11240 03-12

CHEMICAL RELEASES IN THE UPPER ATMOSPHERE - FIREFLY PROJECT - BLAST WAVES
N63-11241 03-12

MOLECULAR AND TURBULENT DIFFUSION IN THE UPPER ATMOSPHERE N63-11243 03-12

UPPER ATMOSPHERE WIND MEASUREMENTS DETERMINED FROM TWELVE ROCKET EXPERIMENTS - SODIUM AND CESIUM VAPOR CLOUDS N63-11244 03-12

GENERATION OF A LUMINOUS TRAIL IN NIGHT SKY BY RELEASE OF ROCKETBORNE CHEMICALS - NITRIC OXIDE
N63-11247 03-12

ARTIFICIAL ELECTRON REMOVAL FROM THE F-LAYER - LOW DENSITY REGION N63-11248 03-12

DIFFUSION-KINETICS OF NIGHT TRAIL GENERATION BY THE METHOD OF FINITE DIFFERENCES - PARTIAL DIFFERENTIAL EQUATIONS N63-11249 03-12

THE UNITED STATES STANDARD ATMOSPHERE, 1962
ARS PAPER-2678-62 N63-11271 03-21

INFRARED ABSORPTION BY CARBON DIOXIDE, WATER VAPOR AND MINOR ATMOSPHERIC CONSTITUENTS
AFCRL-62-698 N63-11587 04-07

INFRARED ABSORPTION BY NITROUS OXIDE, CARBON MONOXIDE AND METHANE N63-11588 04-07

INFRARED ABSORPTION BY CARBON DIOXIDE
N63-11589 04-07

INFRARED ABSORPTION BY WATER VAPOR AND NITROUS OXIDE N63-11590 04-07

TABLE OF PLANCK RADIATION FUNCTION - BLACKBODY SPECTRAL RADIANCE AS FUNCTION OF WAVE NUMBER, 77 TO 30,000-DEG K
AFCRL-62-877 N63-11858 04-23

SONIC ANEMOMETER FOR STUDY OF TURBULENT WIND LOADING ON MISSILES
AFCRL-62-1064 N63-11860 04-15

BIBLIOGRAPHY OF EXPLODED CONDUCTOR PHENOMENON FROM 1774 TO 1961
AFCRL-62-1053 N63-13687 08-23

MATHEMATICAL CORRELATION OF TURBULENT DIFFUSION AND BROWNIAN MOTION OF PARTICLES
AFCRL-62-1107 N63-13689 08-20

PROPORTIONAL COUNTER SPECTROMETER FOR SOLAR X-RAY MEASUREMENT - DESIGNED TO BE MOUNTED ON AEROBEE HI ROCKET TELEMETERING MONOCHROMATOR
AFCRL-62-1105 N63-13801 09-15

PARTIALLY COHERENT LIGHT DIFFRACTION PATTERNS OF A CIRCULAR APERTURE
AFCRL-62-715 N63-13851 09-23

OPTIMIZATION OF ANTENNA SYSTEMS - ERROR ANALYSIS AND APERTURE
AFCRL-62-736 N63-13852 09-08

STRATOSPHERIC RESULTS OF RHODIUM-102 HIGH ALTITUD TRACER EXPERIMENT
AFCRL-62-460/1/ N63-13926 09-1

NUMERICAL WEATHER PREDICTIONS - GEOSTROPHIC AND NONGEOSTROPHIC MODELS
AFCRL-62-684 N63-13927 09-2

ATLAS OF MONTHLY MEAN STRATOSPHERE CHARTS - 1955 TO 1959 - PART 2, JULY TO DEC - AVERAGE CONDITION OVER NORTHERN HEMISPHERE
AF SURVEYS IN GEOPHYSICS-141 N63-13957 09-1

NEW TYPE STRETCH ANTENNA ARRAY - DIPOLE ELEMENTS PROXIMITY-COUPLED TO OPEN TWO-WIRE LINE
AFCRL-62-727 N63-13989 09-0

VARIATIONS IN VERTICAL DISTRIBUTION OF ATMOSPHERI DENSITY FOR ALTITUDES UP TO 30-KM
AFCRL-62-815 N63-14004 09-1

CONCEPTUAL SIMILARITIES & DIFFERENCES BETWEEN THE THREE TERMS TO COORDINATE PARALLEL DEVELOPMENTS PHYSICS, ENGINEERING, MATHEMATICS
AFCRL-62-779 N63-14059 09-2

VALUE OF VISUAL OBSERVATIONS OF FINE STRUCTURE AN EVOLUTION OF SUNSPOTS BY MEANS OF FREE-HAND DRAWINGS
AFCRL-62-890 N63-14178 09-0

SACRAMENTO PEAK FLARES - PART IV, FILAMENT DISAPPEARANCES, FLARE SPRAYS AND LOOP PROMINENCES
GRD RES. NOTES-58 N63-14179 09-2

ARTIFICIAL METEOROID - TYPE 304 STAINLESS STEEL PROJECTILE FROM A SOUNDING ROCKET AT HYPERVELOCITI
AFCRL-62-803 N63-14180 09-1

TYPICAL TROPIC, SUB-TROPIC, AND MID-LATITUDINAL ATMOSPHERES
AFCRL-62-899 N63-14181 09-2

CALCULATION OF PRODUCT MOMENT CORRELATION COEFFICIENT FROM DIURNAL OBSERVATION OF 5577 A - NEUTRAL OXYGEN
AFCRL-62-1024 N63-14182 09-1

PRINTED TAPE BUFFER EQUIPMENT EVALUATION
AFCRL-62-891 N63-14183 09-2

FORTRAN COMPUTER PROGRAMS FOR 704 COMPUTER AND APPLICATION TO METEOROLOGICAL DATA PROCESSING
AFCRL-62-1098 N63-14184 09-2

SOLAR FLUX MEASUREMENTS, APRIL 1962, USING A 8-FT ANTENNA AND PARABOLA 84-FT IN DIAMETER
AFCRL-62-1111 N63-14186 09-0

CONSERVATION LAWS FOR MAGNETOHYDRODYNAMIC FLOW
AFCRL-62-1112 N63-14187 09-2

WIND MEASURING SET AN/GMP-20/V/ SYSTEM EVALUATION, PERFORMANCE CAPABILITY OF INDIVIDUAL COMPONENTS
AFCRL-62-1110 N63-14192 09-1

DIAMOND AS A SEMICONDUCTOR - CRYSTAL STRUCTURE, DEFECTS, AND IMPURITIES - ABSORPTION SPECTRA, FLUORESCENCE AND ELECTROLUMINESCENCE
AFCRL-62-535 N63-14218 09-1

MATERIAL LIMITATIONS OF TUNNEL DIODE COMMUNICATION CIRCUIT PERFORMANCE
AFCRL-63-2 N63-14219 09-0

ASPECT-SENSITIVE SPREAD AND MULTIPATH DELAY ON OFF-AZIMUTH HF ARCTIC SIGNALS LARGELY ABOVE MUF
AFCRL-62-777 N63-14220 09-0

COMPUTER PROGRAM OF SET OF SIMULTANEOUS PARTIAL DIFFERENTIAL EQUATIONS RELATING TO CHEMICAL KINETICS IN UPPER ATMOSPHERE
AFCRL-62-1132 N63-14592 10-2

INTEGRATING HIGH SPEED DATA PROCESSING SYSTEM DESIGNED FOR WEATHER INFORMATION
AFCRL-62-1108 N63-14605 10-2

EFFECT OF MID-ATLANTIC RIDGE ON DISPERSION OF

YLEIGH WAVE
CRL-63-201 N63-14606 10-12

ALYSIS OF TRACE ELEMENTS IN ALUMINUM OXIDE
TRICES BY SPECTROGRAPHY
CRL-63-3 N63-14839 11-18

SITIONING OF FERRIMAGNETS IN RESONANT CAVITY TO
ODUCE MAGNETOSTATIC OSCILLATION MODES
CRL-63-16 N63-15045 11-23

SIC ASPECTS OF LASERS - TYPES, PROPERTIES,
IMULATED EMISSION, AND APPLICATIONS
CRL-63-1 N63-15067 11-25

OLOGY AND GEOPHYSICS APPLIED TO RADIO
OPAGATION THROUGH ROCK STRATIFICATION OF EARTHS
UST
CRL-63-40 N63-15106 11-08

NA-1 SATELLITE OPTICAL BEACON FOR GEODETIC
TELLITE OPTICAL OBSERVATION
CRL-63-56 N63-15107 11-32

DIO ASTRONOMY - SOLAR RADIO WAVE, UPPER
MOSPHERE RADIO OBSERVATION, AND RADIO EQUIPMENT
CRL-63-224 N63-15217 11-05

PLICATION OF BOOLEAN ALGEBRAIC MATRICES TO
NCTIONAL STATES AND STABILITY OF NEURAL NETS
CRL-62-31 N63-15340 12-20

GH MASS RANGE RESOLUTION AND SENSITIVITY OF
EGATRON MASS SPECTROMETER
CRL-62-953 N63-15433 12-15

GNETOSTRICTIVE GENERATION OF MICROWAVE PHONONS
THIN MAGNETIC FILMS
CRL-63-57 N63-15659 12-25

NTINUOUS-WAVE SONIC ANEMOMETER FOR MEASURING
UCTUATION IN VERTICAL WIND VELOCITY
CRL-63-203 N63-15663 12-15

GH ALTITUDE X-BAND NOISE MEASUREMENTS
CRL-63-87 N63-15967 13-08

RCUITRY FOR TRANSMITTING ULTRASTABLE TIME OR
EQUENCY SIGNALS FROM OSCILLATORS TO MOVING
RCRAFT & SPACECRAFT - DOPPLER SHIFT ELIMINATION
CRL-63-93 N63-16281 13-09

RCUIT TO CANCEL FIRST-ORDER DOPPLER FREQUENCY
IFTS
CRL-63-70 N63-16389 14-09

IVIRONMENT SENSING - NEW APPROACH TO DESIGN OF
ECTRONIC AID FOR BLIND HUMANS
CRL-63-64 N63-16438 14-34

CROMETEORITE PARTICLES FROM SOUNDING ROCKET
N63-16637 14-29

CROMETEORITE PARTICLES FROM SOUNDING ROCKET AND
ECTRON MICROSCOPY N63-16638 14-29

CROMETEORITE PARTICLES FROM SOUNDING ROCKET -
RTICLE SIZE AND FLUX N63-16639 14-29

ECTRICAL RESISTIVITY OF SEMICONDUCTING DIAMOND
HIGH TEMPERATURE
CRL-62-561 N63-17054 15-25

OW DISCHARGES BETWEEN COAXIAL CYLINDERS IN
AGNETIC FIELD
CRL-63-121 N63-17080 15-24

NSITY MEASUREMENTS FROM AIR FORCE SATELLITE -
NIZATION GAUGE
CRL-63-245 N63-17423 15-12

POXY RESIN VACUUM SYSTEM SEALS FOR ELECTRIC
NDUCTORS IN CRYOGENIC EQUIPMENT
CRL-63-78 N63-17506 16-17

FORMATION METHOD FOR MINIMIZATION OF QUADRATIC
NCTION SUBJECT TO LINEAR INEQUALITY CONSTRAINTS,
GORITHMS FOR PROGRAMMING
CRL-63-132 N63-17507 16-20

UPPER ATMOSPHERE DENSITY PROFILE FROM FALLING
SPHERE DRAG MEASUREMENTS
AFCRL-62-1136 N63-17566 16-12

EROSION GAUGE ADAPTED FROM SPACE VEHICLE DETECTORS
TO MEASURE VARIATIONS IN FILM THICKNESS
AFCRL-62-640 N63-17676 16-13

SUPERPRESSURE BALLOON FOR CONSTANT DENSITY
ALTITUDE FLIGHT
AFCRL-62-824 N63-17928 16-15

ELECTRON DENSITY PROFILES OF WAVE MOTIONS IN
IONOSPHERE CAUSED BY NUCLEAR DETONATIONS
AFCRL-63-440 N63-18018 16-12

MEASUREMENT RANGE OF METEOROLOGICAL INSTRUMENTS -
HUMIDITY, PRECIPITATION, TEMPERATURE
AFCRL-62-825 N63-18076 16-15

TESTS FOR EXTRASENSORY PERCEPTION USING VERITAC
TESTING AND RECORDING MACHINE WITH STATISTICAL
ANALYSIS OF RESULTS - PSYCHOLOGICAL TESTING
AFCRL-63-141 N63-18632 17-14

BALLOON FLIGHT PROGRAM - INTERNATIONAL COOPERATION
BETWEEN UNITED STATES AND INDIA IN 1961 -
STRATOSPHERE
AFCRL-62-1135 N63-18683 17-21

GUIDE TO CLOUD PHOTOGRAPHS INTERPRETATION FROM
TIROS WIDE-ANGLE PICTURES
AFCRL-62-680, SUPPL. I N63-18782 18-21

RADIO ASTRONOMICAL STUDIES - SOLAR FLUX,
IONOSPHERE ELECTRON DENSITY, TROPOSPHERE
SCINTILLATION
AFCRL-63-464 N63-19191 18-05

REDUNDANT EQUIVALENT LINEAR PASSIVE NETWORKS -
IMPEDANCE INSTABILITY ANALYSIS
AFCRL-63-140 N63-19429 19-09

GEOMETRIC MATHEMATICAL MODEL OF BLUMS THEORY OF
PATTERN RECOGNITION
AFCRL-63-164 N63-19524 19-14

PURIFICATION AND STOICHIOMETRY OF ELECTRONIC
SEMICONDUCTOR MATERIALS
AFCRL-63-160 N63-19525 19-07

GEODETIC AZIMUTH SOLUTIONS BY PHOTOGRAMMETRY
AFCRL-63-619 N63-19550 19-12

GRAVIMETER FOR DETERMINING GRAVITATIONAL
CONSTANTS
AFCRL-62-1113 N63-19655 19-10

DISTRIBUTION OF ATMOSPHERIC DENSITY & SECOND
ISOPYCNIC LEVEL AT 80 TO 90 KILOMETERS OVER
CHURCHILL, CANADA N63-19680 19-12

TELEMETERING MONOCHROMATOR MEASUREMENTS OF SOLAR
304-A RADIATION AND ITS ATTENUATION IN UPPER
ATMOSPHERE N63-19682 19-12

NITRIC OXIDE AND MOLECULAR OXYGEN IN UPPER
ATMOSPHERE OF EARTH N63-19684 19-12

ROCKET MEASUREMENT OF MAGNETIC FIELDS ABOVE NEW
MEXICO N63-19686 19-12

COMBINED RETARDING POTENTIAL ANALYSIS OF
PHOTOELECTRONS AND ENVIRONMENTAL CHARGED PARTICLES
IN UPPER ATMOSPHERE N63-19689 19-15

IONOSPHERE ELECTRON AND ION DENSITY PROBE BY
ANTENNA IMPEDANCE PROBE AND RETARDING POTENTIAL
PROBE EXPERIMENTS N63-19690 19-12

PHOTOELECTRONS FROM SOLAR EXTREME ULTRAVIOLET
N63-19697 19-12

PARAMETRIC FORMULA FOR GEODESIC CURVES AND
DISTANCES ON SLIGHTLY OBLATE EARTH
AFCRL-63-485 N63-19720 19-12

LOG AND INVERSE-LOG FUNCTION GENERATING CIRCUITS
FOR USE IN DIGITAL VOCODER PITCH CHANNEL

AFCRL-63-186 N63-19793 19-09

SIMULATION EXPERIMENTS IN TWO-WAY CONTROLLED CARRIER TRANSMISSION - TROPOSPHERIC SCATTER TRANSMISSION IMPROVEMENTS
AFCRL-63-159 N63-19806 19-08

DOUBLE-PARABOLOIDAL MIRROR SYSTEM - IMAGE ANALYSIS
AFCRL-63-128 N63-20373 20-23

TRANSFORMATION OF EQUATIONS OF MOTION OF METEOROLOGY INTO ARBITRARY ORTHOGONAL COORDINATES
AFCRL-62-1109 N63-20732 21-21

DETERMINATION OF OPTICAL ABSORPTION COEFFICIENT
AFCRL-63-325 N63-20777 21-23

ALGORITHM FOR MINIMAL CLAUSE AND IRREDUNDANT CLAUSE - COMPUTER PROGRAM
AFCRL-63-148 N63-20802 21-20

GREGORIAN REFLECTOR FEED SYSTEM TO CORRECT SPHERICAL ABERRATION OF ANTENNA SYSTEMS
AFCRL-62-163 N63-20966 21-08

CONVERSION OF RAYLEIGH DATA ON AIRGLOW GREEN LINE EMISSION COVERING ENTIRE SUNSPOT CYCLE - CORRELATION WITH NIGHT SKY BRIGHTNESS CONTINUUM
AFCRL-63-835 N63-21039 21-12

ATMOSPHERIC STRUCTURE AND ITS VARIATIONS IN LOWER THERMOSPHERE
AFCRL-63-873 N63-21235 21-12

ERROR ANALYSIS OF MODIFIED HUMIDITY-TEMPERATURE MEASURING SET UNDER FIELD CONDITIONS
AFCRL-63-845 N63-21555 22-12

PHOTOGRAPHING ENTIRE FIELD OF SEISMIC WAVE
AFCRL-63-685 N63-22468 23-12

MESOPHERIC WIND MEASUREMENT FROM ROCKET SOUNDING WITH ROBIN BALLOON
AFCRL-63-836 N63-22469 23-21

ATMOSPHERIC WIND PROFILE ANALYSIS IN GEOSTROPHIC LAYER
AFCRL-63-861 N63-22475 23-12

PARACHUTE DESCENT TIMES AND IMPACT LOCATIONS FOR HIGH ALTITUDE BALLOON PAYLOADS
AFCRL-63-885 N63-22899 23-04

SATELLITE GEODESY AND PLANETARY GEOMETRY
AFCRL-63-876 N63-23301 24-01

GEODETIC APPLICATIONS IN SPACE AGE - CARTOGRAPHY & NAVIGATION N63-23302 24-12

HELIOMETER OBSERVATIONS OF MOONS ROTATION AND MECHANICAL FIGURE N63-23303 24-05

LASER-ACTIVATED REFLECTING GEODETIC OPTICAL SATELLITE /LARGOS/ FOR STEREO-TRIANGULATION
N63-23304 24-05

PHOTOGRAMMETRIC DETERMINATION OF AZIMUTHS OVER INTERMEDIATE DISTANCES N63-23305 24-08

ROCKET-FLASH TRIANGULATION, SATELLITE GEODESY AND AIRBORNE GRAVIMETRY FOR GEOCENTRIC GEODETIC COORDINATE SYSTEM N63-23306 24-12

PROJECT SCORPIO - A PROPOSED SATELLITE SYSTEM FOR IMPROVING ATLANTIC MISSILE RANGE ACCURACY AND CALIBRATING OPERATIONAL MISSILE RANGE SYSTEMS
N63-23307 24-30

ANNA - A FLASHING GEODETIC SATELLITE
N63-23308 24-12

SATELLITES FOR THREE-DIMENSIONAL GEODESY
N63-23309 24-12

GEODESY IN CARTOGRAPHY AND NAVIGATION
N63-23310 24-12

LEAST SQUARES METHOD STATISTICAL APPROACH TO LUNAR SURFACE GEOMETRY N63-23311 24-29

GEODETIC APPLICATIONS OF LASERS
N63-23312 24-2

ANNA SATELLITE OPTICAL SYSTEM
N63-23313 24-1

MODEL OF CLEAR STANDARD ATMOSPHERE FOR DETERMINING ATTENUATION IN VISIBLE REGION AND INFRARED WINDOWS
AFCRL-63-675 N63-23756 24-2

AIR FORCE COMMUNICATIONS SERVICE, WESTOVER AFB, MASS.
NORLANT PLAN NO. 24 FOR REORGANIZATION OF CONUS COMMUNICATION REGIONS N63-11808 04-0

AIR FORCE DEPT., WASHINGTON, D.C.
NATIONAL AIRSPACE UTILIZATION SYSTEM - DOD & FAA AIR TRAFFIC CONTROL SYSTEM N63-13360 08-0

INTERNATIONAL DATA LINK FOR MILITARY AIRCRAFT COMMAND CONTROL N63-13361 08-2

THE SONIC BOOM PROBLEM N63-16104 13-0

CRITERIA FOR DESIGN AND OPERATION OF CLEAN ROOMS FOR PRECISION INSTRUMENTS - ENVIRONMENTAL CONTROL AIR MONITORING, PERSONNEL PRACTICES
N63-16208 13-1

INERTIAL GUIDANCE SYSTEMS - WEAPON SYSTEMS
N63-16863 14-0

TEST METHODS FOR ENVIRONMENTAL TESTING OF GROUND AND AEROSPACE EQUIPMENT
MIL-STD-810 /USAF/ N63-16945 14-1

AEROSPACE MEDICINE IN THE PRESENT & THE FUTURE
N63-20552 20-1

OPERATIONAL SUPPORT FROM DEPARTMENT OF DEFENSE FOR MERCURY PROJECT N63-21960 22-0

AIR FORCE FLIGHT TEST CENTER, EDWARDS AFB, CALIF.
THE X-15 AIRCRAFT FLIGHT PROGRAM
N63-11158 03-0

DEVELOPMENT AND FLIGHT PERFORMANCE OF THE X-1 SERIES, DOUGLAS D-558-11, AND X-15 RESEARCH AIRCRAFT N63-11761 04-0

AIR FORCE HOSPITAL, LACKLAND AFB, TEX.
CARDIOPULMONARY RESUSCITATION - TEACHING PROGRAM
N63-13315 07-1

AIR FORCE INST. OF TECH., WRIGHT-PATTERSON AFB, OHIO.
INDUCTION-COUPLED PLASMA GENERATOR
GA-PHYS-62-2 N63-16935 14-2

ENERGY TRANSFORMATION AND VERTICAL FLUX PROCESSES OVER THE NORTHERN HEMISPHERE N63-19555 19-2

AIR FORCE MISSILE DEVELOPMENT CENTER, HOLLOMAN AFB, N. MEX.
ENVIRONMENTAL VIBRATION AND ACCELERATION TESTING ON ROCKET SLED TEST TRACK N63-16766 14-1

INERTIAL GUIDANCE SYSTEMS - ACCELEROMETERS AND GYROSCOPES - TEST METHODS N63-16854 14-0

INERTIAL GUIDANCE SYSTEMS - PRECISION GYROSCOPES AND ACCELEROMETERS N63-16857 14-1

INERTIAL GUIDANCE SYSTEMS - ACCELEROMETER ERROR COEFFICIENTS FROM ROCKET SLED TRACK TESTS
N63-16858 14-1

INERTIAL GUIDANCE SYSTEMS - ROCKET SLED TEST TRACK
N63-16862 14-1

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH, WASHINGTON, D.C.
CHEMISTRY PROGRAM REVIEW - SPACE CHEMISTRY, INORGANIC CHEMISTRY, AND THEORETICAL CHEMISTRY
N63-14229 09-0

CONFERENCE ON AERODYNAMICALLY HEATED STRUCTURES - THERMAL PROTECTION AND STRUCTURAL ENGINEERING
AD-282454 N63-16051 13-1

R FORCE PACKAGING LAB., BROOKLEY AFB, LA.
ANALOG COMPUTER STUDIES OF CHARACTERISTICS OF CUSHION AND PACKAGE DESIGNS IN ADVERSE ENVIRONMENT
N63-16772 14-20

R FORCE SCIENTIFIC ADVISORY BOARD, SHINGTON, D.C.
RECENT PROGRESS AND FUTURE PROBLEMS IN SPACE BIOMEDICINE & MANNED SPACE FLIGHT
N63-18936 18-16

R FORCE SPECIAL WEAPONS CENTER, KIRTLAND AFB, MEX.
EARTH TRAJECTORY MODEL FOR SUBSURFACE BALLISTIC AND THRUSTED VEHICLES
AFSWC-TDR-62-106 N63-10430 01-20

PAYLOAD CONSIDERATIONS FOR THE STANDARD LAUNCH VEHICLE-1B SPACE PROBE /SLV-1B/
SLV-1B-3 N63-13158 07-31

ROTATING MIRRORS WITH HIGH SPEED FRAMING CAMERA IN FRAME PHOTOGRAPHY
AFSWC-TDR-61-76 N63-14773 11-15

ROOT SENSITIVITY IN TIME DOMAIN - LINEAR SYSTEMS
AFSWC-TDR-62-123 N63-16276 13-20

BALLISTIC TRAJECTORIES FOR MOVING TARGET RELATIVE TO EARTH ROTATION
SWC-TDR-63-25 N63-16777 14-29

SPINNING UNGUIDED ROCKET TRAJECTORY /SPURT/ PROGRAM - SPACE VEHICLE CONTROL AND TRAJECTORY MEASUREMENT BY DIGITAL COMPUTER
AFSWC-TDR-63-11 N63-16896 14-29

HIGH TEMPERATURE DESTRUCTIVE TESTING OF PLUTONIUM FUEL CAPSULES FOR THERMOELECTRIC CONVERTER - SYSTEMS FOR NUCLEAR AUXILIARY POWER PROGRAM
AFSWC-TDR-62-12 N63-17019 15-07

R FORCE SYSTEMS COMMAND, ANDREWS AFB, MD.
USAF IMPACT ACCELERATION AND FACILITIES - AERO-SPACE VEHICLE, BIODYNAMICS, HUMAN TOLERANCE
N63-12871 07-16

ECONOMIC FEASIBILITY OF RELIABILITY TESTING
N63-17270 15-17

SYMPTOMATOLOGY AND INCIDENCE OF MOTION SICKNESS
N63-19829 19-16

REASONS FOR MANS SPACE EXPLORATION - AEROSPACE MEDICINE N63-20556 20-14

R FORCE SYSTEMS COMMAND, BEDFORD, MASS.
GROUND-AIR-GROUND DIGITAL COMMUNICATIONS SYSTEM FOR AIR FORCE OPERATION SUPPORT
N63-13363 08-08

RELIABILITY PROGRAMS FOR L-SYSTEMS OF COMMAND AND CONTROL N63-17289 15-01

OBSERVER TOLERANCE OF FORM TRANSFORMATION AS FUNCTION OF FORM COMPLEXITY - TARGET RECOGNITION AND PERCEPTION
ESD-TDR-63-135 N63-19129 18-14

HUMAN FACTORS RESEARCH - BIBLIOGRAPHY & ABSTRACTS, 1954 TO 1962
ESD-TDR-63-603 N63-21461 22-16

SPEECH-INTELLIGIBILITY AND TALKER-RECOGNITION TESTS OF AIR FORCE VOICE COMMUNICATION SYSTEM
ESD-TDR-63-224 N63-22153 22-08

R FORCE SYSTEMS COMMAND, BROOKS AFB, TEX.
NUCLEAR WEAPONS EFFECT ON HARDENED STRUCTURES
RTD-TDR-63-3023 N63-22126 22-23

R FORCE SYSTEMS COMMAND, EDWARDS AFB, CALIF.
MERCURY-ATLAS LAUNCH VEHICLE DEVELOPMENT AND PERFORMANCE N63-21956 22-32

SAFETY INVESTIGATION OF GELLED PROPELLANT FOR LIQUID ROCKET
RTD-TDR-63-1069 N63-22727 23-26

SCALING AND PERFORMANCE ANALYSIS BY COMPUTER FOR MULTISTAGE LIQUID PROPELLANT ROCKET VEHICLE
RTD-TDR-63-1060 N63-23722 24-02

AIR FORCE SYSTEMS COMMAND, EGLIN AFB, FLA.
FLIGHT TESTS OF FLUSH-MOUNTED, TUMBLING-AIRFOIL, CRASH POSITION INDICATOR - RELIABILITY FOR RADIO SIGNAL TRANSMISSION AFTER CRASH IMPACT
ASD-TDR-63-46 N63-23427 24-02

AIR FORCE SYSTEMS COMMAND, GRIFFISS AFB, N.Y.
ANTENNA FOR SIDELOBE REDUCTION IN IDENTIFICATION RADAR SYSTEMS
RADC-TDR-63-257 N63-18053 16-08

ERROR ANALYSIS OF DIGITAL COMMUNICATION SYSTEMS TROPOSPHERIC SCATTER CHANNELS
RADC-TDR-63-255 N63-19778 19-08

DIGITAL COMMUNICATION SYSTEM - M-ARY SIGNALING AND BALANCED INCOMPLETE BLOCK DESIGNS
RADC-TDR-63-256 N63-19779 19-08

APPLICATION OF ELECTROLESS NICKEL TO FABRICATION OF MICROELECTRONIC COMPONENTS
RADC-RAS-TM-63-4 N63-20731 21-09

FEASIBILITY OF GROUND-AIR-GROUND DATA TRANSMISSION SYSTEMS
RADC-RAU-TM-63-2 N63-20749 21-08

FAST DIELECTRIC CONSTANT DETERMINATION FOR MICROWAVE ABSORBER MATERIALS
RADC-TDR-63-241 N63-20791 21-09

BURST ERROR CORRECTION CAPABILITIES OF CYCLIC CODES OVER BINARY CHANNEL - MATHEMATICAL SYSTEM AND TABLES
RADC-TDR-63-301 N63-21458 22-20

AIR FORCE SYSTEMS COMMAND, KIRTLAND AFB, N. MEX.
EXTRATERRESTRIAL RESEARCH - BIBLIOGRAPHY - ASTROBIOLOGY, ASTRONOMY, COSMOLOGY, LUNAR TRAJECTORIES, AND METEORITIC CRATERING
AWFL-RTD-TDR-63-3025 N63-18778 18-29

AIR FORCE SYSTEMS COMMAND, LOS ANGELES, CALIF.
SYMPOSIUM ON BALLISTIC MISSILE & SPACE TECHNOLOGY, 1962 - VOL I, SPACE VEHICLES, HYPERSONICS, REENTRY, STRUCTURES, MATERIALS & RELIABILITY
AM-84 N63-10370 01-01

EARTH SATELLITE CONTROL AND CONTROL SYSTEMS - MANNED SPACE ENVIRONMENT - COMMUNICATIONS
MRL-TDR-62-14 N63-10389 01-01

ACHIEVEMENT OF RELIABILITY IN SPACECRAFT
N63-17291 15-06

TITAN III STANDARDIZED SPACE LAUNCH SYSTEM
N63-23207 24-32

AIR FORCE SYSTEMS COMMAND, VANDENBERG AFB, CALIF.
HUMAN HAZARDS IN MISSILE LAUNCHING - AEROSPACE MEDICINE N63-20553 20-16

AIR FORCE SYSTEMS COMMAND, WRIGHT-PATTERSON AFB, OHIO.
SELECTION METHODS AND APPROXIMATE CALCULATION OF AIRCRAFT DESIGN PARAMETERS
FTD-TT-62-451/1&2&3&4 N63-10297 01-04

AUTOMATIC CONTROL OF MOVING OBJECTS
FTD-TT-62-1073/1&2 N63-10298 01-22

SELF-OSCILLATIONS OF A NEUTRAL AIRCRAFT WITH AN AUTOPILOT HAVING A PULSE-ACTION SERVOMECHANISM
N63-10299 01-22

DYNAMIC ERROR OF AUTOMATIC LONGITUDINAL STABILIZATION OF A WINGED-AIRCRAFT IN A DISTURBED ATMOSPHERE N63-10300 01-22

CALCULATION OF THE SIMPLEST OPTIMUM RELAY SYSTEMS OF THE SECOND ORDER
FTD-TT-62-877/1&2&4 N63-10301 01-09

DEFORMATION OF A TRAVELING MAGNETIC FIELD UNDER THE SURFACE OF A CONDUCTIVE MEDIUM

FTD-TT-62-981/1&2 N63-10302 01-23

ELECTROPHOTOMETRIC OBSERVATIONS OF NEUTRAL OXYGEN, SODIUM, AND HYDROXYL-ION EMISSIONS AND CONTINUUM IN THE AIRGLOW
FTD-TT-62-1076/1&2 N63-10303 01-05

THEORY OF ANTENNAS WITH CORRUGATED GUIDING SURFACE
FTD-TT-62-1140/1&2 N63-10304 01-08

ENERGY OF SELF-OSCILLATION USED TO DETERMINE THE STABILITY AND CONTROL SYSTEM
FTD-TT-61-465/1&2&4 N63-10305 01-09

EFFECT OF ILLUMINATION ON THE TRANSFORMATION OF GREEN PIGMENTS IN PLANTS
FTD-TT-62-1203/1&2 N63-10306 01-16

FLOW OF A SUPERSONIC IDEAL GAS PAST A FLAT PLATE IN PRESENCE OF VOLUME HEAT RELEASE
FTD-TT-62-1049/1,2&4 N63-10307 01-11

EFFECT OF COSMIC RADIATION ON PLANT ACTIVITY
FTD-TT-62-771/1&2&4 N63-10308 01-16

MAGNETIC DRIVES FOR PRODUCING ROTATIONAL MOTION IN VACUUM APPARATUS
FTD-TT-62-1143/1&2&4 N63-10330 01-17

ELECTROMAGNETIC WAVE PROPAGATION IN PLASMA ACROSS AN EXTERNAL MAGNETIC FIELD
FTD-TT-62-1187/1&2&4 N63-10331 01-24

CONSTRUCTION OF AN AUTOMATIC CONTROL SYSTEM WITH TRANSIENT CLOSE TO OPTIMAL
FTD-TT-62-973/1&2&4 N63-10338 01-09

NOCTURNAL OPTICAL OBSERVATIONS OF SATELLITES
FTD-TT-61-351/1&2&4 N63-10339 01-08

NIOBIUM & ITS ALLOYS - SOURCES, PRODUCTION FIGURES, USES & PROPERTIES
FTD-TT-62-1256/1&2 N63-10340 01-18

PLASMA ENGINES - ION AND PHOTON ROCKET ENGINES
FTD-TT-61-464/1&2&4 N63-10341 01-27

PROPERTIES OF A DEFOCUSED RADAR ANTENNA
FTD-TT-62-1139/1&2 N63-10342 01-08

THEORY OF MAGNETOTELLURIC PROFILING - GEOLOGICAL SURVEYING
FTD-TT-62-1062/1&2&4 N63-10343 01-15

HEAT TRANSFER OF WAVE STRIPS IN A LONGITUDINAL AIR STREAM
FTD-TT-62-971/1&2 N63-10344 01-13

FLOW OF A VAPORIZED LIQUID FILM ON THE SURFACE OF A CONE BLOWN BY GAS
FTD-TT-62-1031/1&2&4 N63-10345 01-11

HEAT TRANSFER COEFFICIENTS FOR A PLATE IN TURBULENT FLOW
FTD-TT-62-1413/1&2 N63-10346 01-13

ISOTHERMAL ACCELERATION OF A ONE-DIMENSIONAL PLASMA FLOW IN EXTERNAL TRANSVERSE MAGNETIC AND ELECTRICAL FIELDS
FTD-TT-62-1186/1&2&4 N63-10347 01-24

ACTIVATION MECHANISM OF CADMIUM SULFIDE SINGLE CRYSTALS IN THE PRESENCE OF LOCAL X-IRRADIATION
FTD-TT-62-885/1&2&4 N63-10348 01-25

BREMSSTRAHLUNG SPECTRUM OF 260-MEV ELECTRONS
FTD-TT-62-1174/1&2&4 N63-10349 01-23

DISSIPATIVITY OF NONLINEAR SYSTEM OF DIFFERENTIAL EQUATIONS
FTD-TT-62-1149/1&2&4 N63-10350 01-20

EFFICIENCY OF A CROSS-RIBBED CURVILINEAR DIFFUSER
FTD-TT-62-1151/1&2&4 N63-10351 01-03

STRESS-RUPTURE TESTING OF CAST NICKEL ALLOYS AT 800-DEG
FTD-TT-62-720/1&2&4 N63-10352 01-33

PHYSICAL & CHEMICAL PROPERTIES OF GLASS - RELATION TO STRUCTURAL TRANSFORMATION
FTD-TT-62-1213/1&2 N63-10353 01-1

MIXTURES OF LIQUID FUEL DURING IGNITION
FTD-TT-62-1037/1&2&4 N63-10354 01-2

TWO-PARAMETER CONTROL, STABILITY
FTD-TT-62-784/1&2 N63-10355 01-0

TEMPERATURE FIELD OF A PLATE OF FINITE DIMENSIONS WITH CONTINUOUSLY ACTING HEAT SOURCE
FTD-TT-62-1391/1&2 N63-10356 01-2

CASTED HEAT RESISTANT BILLETS FOR COMBUSTION TURBINE BLADES
FTD-TT-62-789/1&2 N63-10368 01-1

METHOD FOR DETERMINING CHARACTERISTIC IMPEDANCES AND DEGREES OF MISMATCH OF TWO-TERMINAL PAIR NETWORKS
FTD-TT-62-481/1&2&4 N63-10416 01-0

GAGARINS SPACE FLIGHT
FTD-TT-62-844/1&2 N63-10440 01-3

DISTRIBUTION OF TEMPERATURE IN A HOLLOW CYLINDER
FTD-TT-62-1392/1&2 N63-10441 01-2

A GYROSCOPE WITH A FLUID ROTOR
FTD-TT-62-761/1&2&4 N63-10442 01-2

PATH OF RAYS IN A SPECULAR OPTICAL SYSTEM
FTD-TT-62-1218/1&2 N63-10443 01-2

APPLICATIONS OF COMPLEMENTARY DECODING SYSTEMS WITH DIRECTIONAL ELEMENTS, SWITCHES AND RELAYS
FTD-TT-62-1007/1&2 N63-10444 01-0

THE SPATIAL DISTRIBUTION OF THE VISIBILITY OF INTERFERENCES IN THE MICHELSON INTERFEROMETER
FTD-TT-62-1178/1&2 N63-10445 01-1

SUPPRESSION OF SELF-OSCILLATIONS IN SERVOPILOT SYSTEM
FTD-TT-62-876/1&2&4 N63-10446 01-2

CONVECTIVE HEAT TRANSFER IN WINDING-SLIT CHANNEL
FTD-TT-62-1175/1&2&4 N63-10447 01-1

SYNCHROPHASING OF PROPELLER BLADES OF MULTIENGINE AIRCRAFT BY AUTOMATION
FTD-TT-62-1166/1&2 N63-10448 01-2

PROBLEMS INVOLVING A GAS IONIZING SHOCK WAVE IN AN ELECTROMAGNETIC FIELD
FTD-TT-62-1219/1&2 N63-10449 01-2

RADAR TRACKING WITH RANDOM DISTURBANCE TAKEN INTO ACCOUNT
FTD-TT-62-623/1&2 N63-10453 01-0

PHYSICS OF METALS AND METALLOGRAPHY
FTD-TT-62-625/1&2 N63-10519 01-2

METALLURGICAL AND METALLOGRAPHIC INVESTIGATIONS
FTD-TT-62-134/1 N63-10520 01-1

POWER ENGINEERING AND AUTOMATION - INVARIANCE, STABILIZATION AND REPRODUCTION, PULSE-RELAY SYSTEM
FTD-TT-62-871/1&2 N63-10521 01-2

PROBLEMS OF INFORMATION TRANSMISSION
FTD-TT-62-888/1&2&4 N63-10522 01-0

HETEROLYTIC CONVERSIONS OF POLYFLUORINATED AZOALKANES
FTD-TT-62-1070/1&2&4 N63-10580 02-0

NUMERICAL METHODS IN GAS DYNAMICS
FTD-TT-62-979/1&2&4 N63-12729 06-1

METHOD FOR DIRECT TRANSFORMATION OF THERMAL ENERGY INTO ELECTRICAL ENERGY
FTD-TT-62-759/1&2&4 N63-12752 06-0

LIMIT THEOREMS FOR SUMS OF INDEPENDENT VARIABLES TAKING INTO ACCOUNT LARGE DEVIATIONS
FTD-TT-62-1148/1&2&4 N63-12753 06-2

PERATURE DISTRIBUTION AND HEAT TRANSFER IN
ULATION OF COMPRESSED-GAS TANKS
-TT-62-1459/1&2&4 N63-12754 06-13

SED ULTRASONIC THERMOANEMOMETER DESIGNED TO
MINATE ERRORS DUE TO ELEMENT HEATING AND STREAM
ECTS
-TT-62-118/1&2&4 N63-12817 06-15

SOURCE - IMPACT IONIZATION OF GAS WITHOUT
NETIC FIELD
-TT-62-758/1&2&4 N63-12818 06-23

OSPHERICS - CALCULATION OF SIGNALS AND ANALYSIS
WAVE PROPAGATION
-TT-62-1193/1&2&4 N63-12819 06-08

RMAL POWER ENGINEERING - THERMODYNAMICAL
FFICIENTS AND HEAT REGIME OF BODIES WITH
ERNAL ENERGY SOURCES
-TT-62-1200/1&2&4 N63-12820 06-13

AL MACHINING PROCESSES - ULTRASOUND, ELECTRON
4, AND HYDROEROSION
-TT-62-1357/1 N63-12821 06-17

H TEMPERATURE ALLOYS OF BORIDE, CARBIDE,
RIDE, AND SILICIDE
-TT-62-430/1&2 N63-13175 07-18

RASOUND - EFFECT ON NITROPARAFFIN-CARBONYL
DENSATION
-TT-62-1261/1&4 N63-13580 08-07

BUSTION OF AMMONIUM IODATE AND HYDROXYLAMINE
FATE WITH CATALYST
-TT-62-1604/1&2&4 N63-13581 08-07

ERIALS FOR STEAM TURBINES
-TT-62-1273/1&2&4 N63-13583 08-18

FT REGISTER-DECODER
-TT-62-1436/1&2&4 N63-13584 08-09

ICE FOR MEASURING ION CURRENTS IN MASS
CTROMETER CIRCUITS - PHOTOMULTIPLIER DYNODE
-TT-62-1529/1&2&4 N63-13585 08-07

EOROLOGICAL ASPECTS OF AIR TRAFFIC CONTROL -
HNIQUES FOR USING RADAR EQUIPMENT TO LOCATE
NDERSTORMS
-TT-62-1679/1&2 N63-13586 08-21

ORMABLE ALUMINUM ALLOYS - HOT CRACK FORMATION,
NCHING, INGOT CASTING, IRON, SILICON, TITANIUM,
GANESE, BERYLLIUM, AND MAGNESIUM
-TT-62-1272/1&2&4 N63-13615 08-18

SE AND PREVENTION OF CRACKS IN HEAVY FORGINGS
DEFORMABLE ALUMINUM ALLOYS - THERMAL STRESS AND
H TEMPERATURE IN QUENCHING
N63-13616 08-18

CRACKING IN V95 TYPE ALUMINUM ALLOYS - CRACK
ISTANCE DURING INGOT CASTING - MANGANESE, IRON,
ICON, AND MAGNESIUM CONTENT OF THE ALLOYS
N63-13617 08-18

REASING HOT CRACKS IN ALUMINUM ALLOYS AND
REASING ALLOY DENSITY AND STRENGTH BY ALTERING
DE COATING FORMATION N63-13618 08-18

SICS - DIELECTRICS OF MICA AND EFFECT OF GAMMA
IATION
-TT-62-1474/1&2&4 N63-13619 08-23

MICAL REACTION KINETICS BETWEEN OXYGEN AND
ROGEN IN ELECTRICAL DISCHARGE AND FIRST ORDER
ALLEL-CONSECUTIVE IRREVERSIBLE REACTIONS
-TT-62-1171/1&2&4 N63-14329 10-23

CTRIC ARC PREHEATERS FOR FORMATION OF HIGH
PERATURE JETS
-TT-62-1092/1&2 N63-14847 11-24

URE OF LONG SPARK - POWER SUPPLY, VOLTAGE AND
RENT DISTRIBUTION, FREQUENCY, AND LIGHTNING
-TT-61-149/1&2 N63-14905 11-09

EQUIPMENT AND METHODS OF INVESTIGATION - PULSE-
VOLTAGE GENERATOR AND PULSE DISCHARGES
N63-14906 11-09

PULSE TYPE LONG-SPARK CORONA - FIRST STAGE OF
SPARK N63-14907 11-09

LEADER STAGE OF LONG SPARK - ELECTRODE GAP AND
CORONA N63-14908 11-09

MAIN STAGE OF LONG SPARK - WAVEFORM AND CURRENT
N63-14909 11-09

FINAL STAGE OF LONG SPARK - CURRENT DISTRIBUTION
N63-14910 11-09

LONG SPARK VOLT-SECOND CHARACTERISTICS
N63-14911 11-09

ELECTRODE FORMATION OF LONG SPARK - DIRECT CURRENT
POWER SUPPLY AND LIGHTNING N63-14912 11-09

LONG SPARK IN COMMERCIAL-FREQUENCY ALTERNATING
CURRENT N63-14913 11-09

MAGNETIC EFFECT ON FLOW OF CONDUCTING GAS IN PLANE
TUBE WITH HEAT TRANSFER THROUGH WALLS
FTD-TT-62-333/1&2&4 N63-15182 11-11

SOVIET MANNED SPACE FLIGHT - RESULTS OF MEDICAL &
PHYSIOLOGICAL MONITORING OF COSMONAUTS IN VOSTOK 1
& VOSTOK 2 - LIFE SUPPORT SYSTEMS
FTD-TT-62-1619/1&2 N63-15658 12-16

HEAT EXCHANGE DURING FREE FLOW AROUND HORIZONTAL
CYLINDER IN RAREFIED AIR
FTD-TT-62-135/1&2 N63-15662 12-13

EFFECT OF GAMMA IRRADIATION ON ELECTRICAL
PROPERTIES OF SEMICONDUCTING OXIDE FILMS
FTD-TT-62-414/144 N63-15904 13-25

ELECTROSTATIC GENERATOR UTILIZING DIELECTRIC
CHARGES
FTD-TT-62-35/1&2&4 N63-16111 13-06

CORRELATION FUNCTION FOR COHERENTLY REFLECTED AND
SCATTERED PORTIONS OF RADIO SIGNAL REFLECTED FROM
IONOSPHERE
FTD-TT-62-1029/1&2&4 N63-16848 14-12

AXISYMMETRIC FLOW OF REAL GAS IN SUPERSONIC
NOZZLES - COMPUTER METHOD
FTD-TT-62-1057/1&2&4 N63-16926 14-11

FLOW OF DISSOCIATING NITROGEN BETWEEN TWO PARALLEL
PLATES - RESULTS USED TO ESTIMATE FLOW OF AIR
FTD-TT-62-1145/1&2&4 N63-16933 14-11

BIOELECTROSTIMULATOR FOR CONTROL OF FUNCTIONING OF
INDIVIDUAL NEUROMUSCULAR SYSTEMS AND ORGANS
FTD-TT-62-1553/1&4 N63-18072 16-16

ATOMIC ENERGY IN SOVIET UNION - REACTOR PHYSICS
FTD-TT-62-213/1&2&4 N63-18196 16-23

PHYSICS OF FAST REACTOR - ENERGY SPECTRUM AND
SPATIAL DISTRIBUTION OF NEUTRONS
N63-18197 16-23

PHYSICS OF FAST REACTOR - HEAT FLOW AND WATER
VAPOR MIXING IN REACTOR TUBES AND CHANNELS
N63-18198 16-23

PHYSICS OF FAST REACTOR - NEUTRON SPECTRUM BY
USING RESONANCE EFFECT N63-18199 16-23

SOVIET SATELLITES AND SPACE SHIPS
FTD-TT-62-121/1&2 N63-18430 17-32

SATELLITE ORBIT - MOTION AND ORIENTATION IN SPACE
N63-18431 17-29

MOTION OF SPACE VEHICLES IN SOLAR SYSTEM -
SATELLITE ORBIT FOR INTERPLANETARY FLIGHT
N63-18432 17-29

ACCURACY REQUIREMENTS OF MOTION PARAMETERS AT END
OF EJECTION PHASE - SATELLITE LAUNCH AND ORBIT

N63-18433 17-29

MOTION DURING SATELLITE EJECTION INTO ORBIT - SPACECRAFT AND CARRIER ROCKETS USED FOR EJECTION
N63-18434 17-31

DECELERATION DURING SPACECRAFT DESCENT FROM ORBIT TO EARTH AND PLANETARY SURFACE
N63-18435 17-32

ROLE OF ARTIFICIAL SATELLITES IN ACCOMPLISHING INTERPLANETARY FLIGHT N63-18436 17-32

GAS EXCHANGE BETWEEN PLANETARY AND EARTH ATMOSPHERES - INTERPLANETARY GAS STUDY
N63-18437 17-05

BIOLOGICAL INVESTIGATIONS OF ANIMALS IN HIGH ALTITUDE ROCKETS AND SATELLITES
N63-18438 17-16

SPUTNIK VIII SATELLITE - SOVIET LUNAR FLIGHT
N63-18439 17-32

DENSITY OF UPPER ATMOSPHERE DETERMINED BY DIFFUSION OF SODIUM VAPOR N63-18440 17-12

RADIO-FREQUENCY MASS SPECTROMETER MEASUREMENTS OF ION COMPOSITION OF UPPER ATMOSPHERE
N63-18441 17-12

PROPAGATION, ABSORPTION, AND IONIZATION OF RADIO WAVES IN IONOSPHERE N63-18442 17-12

SATELLITE MEASUREMENT OF SPACE RADIATION NEAR EARTH AND IN COSMIC SPACE N63-18443 17-28

SATELLITE MEASUREMENT OF IONIZED GAS IN INTERPLANETARY SPACE AND EARTH ATMOSPHERE USING ION TRAPS N63-18444 17-28

MEASUREMENT OF MAGNETIC FIELD NEAR EARTH AND MOON
N63-18445 17-15

METEOROLOGICAL PROBE - MICROMETEOROID - METEORITIC DAMAGES CAUSED BY PARTICLE IMPACT
N63-18446 17-15

SPUTNIK V SATELLITE BIOLOGICAL INVESTIGATIONS - EFFECT OF SPACE FLIGHT ON DOGS
N63-18447 17-16

LUNAR PHOTOGRAPHY - LUNAR FAR SIDE PHOTOGRAPHS
N63-18448 17-05

SPUTNIK IV SATELLITE SYSTEMS ANALYSIS - LAUNCHING FACILITIES, AIR CONDITION AND TEMPERATURE CONTROL, RELIABILITY CONTROL, TELEMETRY AND COMMUNICATIONS
N63-18449 17-32

SPUTNIK V SATELLITE SYSTEMS ANALYSIS - LAUNCHING, ORBITING, DESCENT TRAJECTORY, FLIGHT CONTROL AND COMMUNICATIONS N63-18450 17-32

VOSTOK I MANNED SPACE FLIGHT N63-18451 17-32

MEDICAL-BIOLOGICAL PROBLEMS OF MANNED SPACEFLIGHTS - EFFECTS OF OVERLOAD, WEIGHTLESSNESS AND RADIATION N63-18452 17-16

TRAINING OF ASTRONAUTS N63-18453 17-14

VOSTOK I MANNED SPACE FLIGHT - COSMONAUT PERFORMANCE N63-18454 17-14

BIBLIOGRAPHY - SOVIET SATELLITES AND SPACE SHIPS SATELLITE OBSERVATIONS, MEASUREMENTS AND PHOTOGRAPHY - MANNED SPACEFLIGHT EXPERIMENTS
N63-18455 17-32

PROPELLANT OXIDIZERS FOR AIR-BREATHING ENGINES & LIQUID & SOLID PROPELLANT ROCKET ENGINES - FUEL CHEMISTRY
FTD-TT-62-1417/1&2&3&4 N63-19645 19-26

CONFIRMATION OF THERMOELASTIC EQUATIONS FOR SANDWICH PANEL DEFLECTION
ASD-TDR-63-559 N63-19866 19-33

EFFECT OF STRESS DISTRIBUTION ON FATIGUE BEHAVIOR OF ADHESIVE BONDED JOINTS
ASD-TDR-63-93 N63-21426 22-3

STRUCTURE AND PHYSICOCHEMICAL PROPERTIES OF CRYSTALLINE BODIES AND BEHAVIOR ON HEATING - SOLI STRUCTURAL MATERIALS
FTD-TT-62-911/1&2 N63-22575 23-1

HEAT TRANSFER FROM CYLINDER WITH FREE MOTION OF RAREFIED GAS IN UNBOUNDED SPACE
FTD-TT-62-50/1&2&4 N63-23076 24-1

BESSEL FUNCTION SOLUTIONS TO ONE-DIMENSIONAL GAS FLOW
FTD-TT-61-36/1&2&4 N63-23186 24-1

CARBOHYDRATE METABOLISM IN MONKEYS WITH ACUTE RADIATION SICKNESS AFTER X-RAY IRRADIATION
FTD-TT-63-641/1&2&4 N63-23187 24-1

GALERKIN METHOD APPLICATION TO AIRCRAFT WING DESIGN FOR MINIMUM FLUTTER
FTD-TT-63-739/1&2 N63-23188 24-0

FLIGHT CHARACTERISTICS OF AN-24 TURBOPROP, HIGH-SPEED, COMMERCIAL AIRCRAFT
FTD-TT-63-791/1&2 N63-23189 24-1

INSTANTANEOUS VALUE COMPANDING IN PULSE MODULATED COMMUNICATION SYSTEMS
FTD-TT-62-32/1&2 N63-23377 24-0

MECHANISM OF FLAME PROPAGATION IN TRANSITION FROM NORMAL BURNING TO DETONATION
FTD-TT-62-1441/1&2&4 N63-23378 24-2

ISOTOPIC EFFECT IN ELECTROSYNTHESIS OF OZONE
FTD-TT-62-1535-1&2&4 N63-23379 24-1

INDUCTION ELECTRON ACCELERATOR UTILIZING SUPERCONDUCTIVE MATERIAL
FTD-TT-62-1787/1&2 N63-23380 24-2

FLOW IN CHANNELS OF AXIAL-FLOW IMPULSE FANS
FTD-TT-63-71/1&2 N63-23381 24-1

SYNTHESIS OF PERFLUORODICARBONIC ACIDS
FTD-TT-63-457/1 N63-23382 24-0

COMBUSTION RATE INCREASE FROM INTRODUCTION OF INERT GAS MIXTURE
FTD-TT-63-460/1&2 N63-23383 24-1

LIMITING LAW FOR RELIABILITY OF SEQUENTIAL SYSTEM
FTD-TT-63-470/1&2&4 N63-23384 24-0

SMALL PERTURBATION ANALYSIS OF STABILITY OF STEAD STATE BURNING OF POWDER IN SEMICLOSED SPACE
FTD-TT-63-572/1&2&4 N63-23385 24-1

ELECTRICALLY DRIVEN CYLINDRICAL MERCURY RING FLYWHEEL FOR GYROSCOPE SUSPENSION
FTD-TT-63-602/1&2 N63-23386 24-1

HEAT TRANSFER AND RESISTANCE OF SLOTTED CHANNELS WITH OVAL CONICAL STAMPINGS
FTD-TT-63-617/1&2&4 N63-23387 24-1

RECTANGULAR WIND TUNNEL FOR BOUNDARY LAYER INVESTIGATIONS
FTD-TT-63-646/1&2 N63-23388 24-0

HIGH-SPEED MOTION PICTURE CAMERA
FTD-TT-63-683/1 N63-23389 24-1

INCREASING MECHANICAL PROPERTIES OF CAST ALLOYS BY THERMAL TREATMENT OF METALS WHILE IN LIQUID STATE
FTD-TT-63-714/1&2 N63-23390 24-1

CALCULATION OF THERMAL STRESSES IN ROTATIONAL SYMMETRICAL THIN CYLINDRICAL SHELLS
FTD-TT-63-726/1&2 N63-23391 24-1

STATISTICAL CHARACTERISTICS OF FORCED VIBRATIONS OF ELASTIC AIRCRAFT WING ACTED ON BY ATMOSPHERIC TURBULENCE
FTD-TT-63-750/1&2 N63-23392 24-0

ECTROZONAL FILM SN-2 UNDER CONDITIONS OF
OTOGRAPHY OF NATURAL OBJECTS
D-TT-63-797/1&2 N63-23393 24-15

VICE FOR REGULATING AND STOPPING FUEL FLOW
D-TT-63-850/1&2 N63-23394 24-26

ECTROPHOTOMETRIC ANALYSIS OF PHOTOSYNTHESIS BY
LOROPHYLL AND OTHER PLANT PIGMENTS
D-TT-63-866/1&2 N63-23395 24-16

ALYZING NONLINEAR AUTOMATIC SYSTEMS
D-TT-62-910/1&2 N63-23396 24-06

TERMINATION OF SECOND DERIVATIVE OF LANGMUIR
OBE CHARACTERISTICS BY INTERMODULATION METHOD
N63-23625 24-23

TERNAL & EXTERNAL INTERFERENCE DURING
OTOELECTRIC OBSERVATIONS OF METEORS
D-TT-62-1428/,&2 N63-23631 24-05

TERRELATIONSHIP OF OPTICS AND RADIO ENGINEERING
ASTRONOMY
D-TT-62-1465/1&2&4 N63-23632 24-05

EORY AND APPLICATION OF NONSYMMETRICAL PULSE
UNTERS
D-TT-62-1495/1&2 N63-23633 24-15

AT TRANSFER COEFFICIENTS IN SUPERSONIC TUBE
OWS OF RAREFIED GAS
D-TT-62-974/1&2&4 N63-23634 24-13

UBLE ELECTRICAL LAYER AT SATELLITE SURFACE IN
NOSPHERE
D-TT-62-1380/1&2&4 N63-23635 24-28

DE-ANGLE, WIDE-APERTURE OBJECTIVE LENS - KINO-
SSAR 7
D-TT-62-1509/1&2 N63-23636 24-23

VICE FOR MEASURING ABSOLUTE COEFFICIENTS OF
RROR REFLECTION
D-TT-62-1510/1&2 N63-23637 24-15

LUTION OF BASIC PROBLEM CONCERNING FREE THERMAL
NVECTION OF LIQUIDS
D-TT-62-1613/1 N63-23638 24-13

LUTION OF NONSTEADY-STATE PROBLEMS IN
GNETOHYDRODYNAMICS FOR VISCOUS INCOMPRESSIBLE
UID FLOW
D-TT-63-208/1&2&4 N63-23639 24-24

ECTRIC SORPTION AS POSSIBILITY OF REDUCING
AE OF ADSORBING GASEOUS RESIDUES ON TUNGSTEN
ITTER OF A MUELLER MICROSCOPE
D-TT-63-377/1&2 N63-23640 24-09

VE-COMPONENT ELECTRIC AERODYNAMIC BALANCES
D-TT-63-379/1&2 N63-23641 24-09

PLIFICATION IN PUMPED NONLINEAR CAPACITORS
D-TT-63-476/1&2&4 N63-23642 24-09

RESHOLD FEEDBACKS USED TO SUPPRESS PULSE
TERFERENCES IN HIGH FREQUENCY PORTION OF
CEIVING INSTALLATION
D-TT-63-447/1&2 N63-23643 24-09

FRARED ABSORPTION SPECTROSCOPY IN RESEARCH ON
ENIUM OXIDE AND ZIRCONIUM OXIDE
D-TDR-63-789 N63-23663 24-18

STORATION AND EXAMINATION OF COORDINATE
ASURING MACHINE FOR USE WITH ASTRONOMICAL
OTOGRAPHY
D-TT-62-744/1&2&4 N63-23723 24-15

ARGE, MASS, AND ENERGY BALANCE IN COLLISION
SLOW IONS WITH SOLID STATE ATOMS
D-TT-62-851/1&2&4 N63-23724 24-25

ISM ATTACHMENT TO THEODOLITE TELESCOPE FOR
MING AT CENTER OF SOLAR DISK
D-TT-62-1090/1&2 N63-23725 24-05

EVENTION OF RADIATION FATALITY BY ADMINISTRATION
OF SELENIUM SALTS AFTER X-RAY IRRADIATION
FTD-TT-62-1227/1&3&4 N63-23726 24-23

TELESCOPIC OBSERVATIONS OF STELLAR SCINTILLATION -
ZENITH DISTANCE & APERTURE EFFECTS
FTD-TT-62-1430/1&2 N63-23727 24-29

FREE STREAM CONTROL FOR LOW SPEED WIND TUNNEL -
PULSATING FIELD, STATIC PRESSURES AND VELOCITY
DISTRIBUTIONS
FTD-TT-62-1476/1&2 N63-23728 24-10

PRELAUNCH TESTING OF VOSTOK SPACECRAFT
FTD-TT-62-1478/1&2&3&4 N63-23729 24-30

MAGNETIC AND PHYSICAL PROPERTIES OF BLENDED BARIUM
AND STRONTIUM FERRITES
FTD-TT-62-1539/1&2&4 N63-23730 24-19

RUSSIAN ROCKET WITH INTERCONTINENTAL CAPABILITY
FTD-TT-62-1580/1&2&4 N63-23731 24-30

PREPARATION, STRUCTURE, AND PROPERTIES OF
PHOSPHIDES
FTD-TT-1763/1&2 N63-23732 24-19

APPLICATION OF STATISTICAL THEORIES OF STRENGTH TO
METAL-CERAMIC MATERIALS
FTD-TT-62-1765/1&2 N63-23733 24-19

CONSTANCY OF TANGENTIAL RUPTURE IN RAREFIED PLASMA
FTD-TT-63-182/1&2 N63-23734 24-24

INFRARED SYSTEM FOR TAKING LUNAR PICTURES
FTD-TT-63-335/1 N63-23735 24-29

AERODYNAMIC CHARACTERISTICS OF GRAPHITE PARTICLES
FTD-TT-63-393/1&2&4 N63-23736 24-02

PULSE MAGNETIC DECODER TO INCREASE EFFICIENCY AND
LOWER LEVEL OF INTERFERENCE
FTD-TT-63-459/1&2 N63-23737 24-09

PHASE RECRYSTALLIZATION IN DIFFUSION OF CHROMIUM
INTO MOLYBDENUM
FTD-TT-63-266/1&2 N63-23738 24-18

PHOTOSERVOSYSTEM FOR TRAINING TELESCOPES
FTD-TT-62-1528/1&2&4 N63-23739 24-09

SERVOSYSTEMS WITH SPHERICAL-COORDINATE CONVERTERS
FOR OBSERVATORY TELESCOPE AND DOME MOVEMENTS
FTD-TT-62-1194/1&2&4 N63-23767 24-09

PHOTOELECTRIC APPARATUS FOR ESTABLISHING
IDENTICALNESS OF TEXT AND ILLUSTRATION ORIGINALS
FTD-TT-62-1507/1&2 N63-23768 24-12

THERMODYNAMIC CHARACTERISTICS OF LIQUID BISMUTH-
INDIUM METAL SOLUTION
FTD-TT-62-1513/1&2 N63-23769 24-18

AIR PRODUCTS AND CHEMICALS, INC., ALLENTOWN, PA.
HYDROGEN, HELIUM, DEUTERIUM, AND NEON AS
REFRIGERANTS IN A NEON LIQUEFIER
N63-14899 11-07

LIQUID-VAPOR EQUILIBRIUM IN ARGON, OXYGEN AND
NITROGEN MIXTURES AT 20 ATMOSPHERES PRESSURE
N63-18780 18-11

LIQUID-VAPOR EQUILIBRIUM OF OXYGEN-NITROGEN-ARGON
MIXTURES N63-20374 20-11

LIQUID HYDROGEN SERVICING SYSTEM FOR SATURN I
LAUNCH COMPLEX - TEST OF LIQUID HYDROGEN GAS PUMP,
VAPORIZATION COIL, VENT SYSTEM AND SURCOOLER
NASA-CR-51733 N63-22161 22-26

CRYOGENIC ENERGY STORAGE SYSTEM TO REFRIGERATE A
SUPERCONDUCTING INDUCTOR N63-22289 23-06

AIR PROVING GROUND CENTER, EGLIN AFB, FLA.
EQUATORIAL ORBITS OF A SATELLITE IN THE
GRAVITATIONAL FIELD OF A SPHEROID
APGC-TDR-62-65 N63-10403 01-29

SCHROEDINGER SEPARABILITY APPLIED TO SATELLITE
ORBIT THEORY

APGC-TDR-62-67 N63-10404 01-29

TARGET PENETRATION DIFFERENCE OF HIGH AND LOW VELOCITY SHOTS PREDICTED BY POWER LAW FORMULA
APGC-TDR-63-16 N63-13996 09-20

HIGH SPEED BALLISTIC IMPACT AND TARGET PENETRATION
APGC-TDR-63-22 N63-14878 11-30

MODIFIED MATTS TRACKING STATION EVALUATION
APGC-TDR-62-14 N63-15196 11-15

COMPUTER PROGRAM FOR FIN SETTING ON SOUNDING ROCKETS - NIKE, HONEST JOHN, APACHE AND EXOS ROCKETS
APGC-TDR-63-30 N63-18183 16-20

AIR REDUCTION CO., INC., MURRAY HILL, N.J.
OPERATIONAL CHARACTERISTICS DETERMINATION OF HIGH ENERGY PROPELLANTS N63-13605 08-26

AIR REGISTRATION BOARD, LONDON /GT. BRIT./
ATMOSPHERIC TURBULENCE CONSIDERATIONS IN CIVILIAN AIRCRAFT DESIGN - AIRWORTHINESS REQUIREMENTS
N63-16823 14-04

AIR TRANSPORT ASSN. OF AMERICA, WASHINGTON, D.C.
AIRSPACE UTILIZATION SYSTEM INVOLVING BEACON PROJECT - AIR TRAFFIC CONTROL, SAFETY
N63-13358 08-01

GROUND DIGITAL COMMUNICATION SYSTEM FOR CIVILIAN AIRLINE FLIGHT TIME IMPROVEMENT
N63-13364 08-08

AIR U., MAXWELL AFB, ALA.
AEROSPACE BIBLIOGRAPHY
AU-290-61-RSI N63-12294 05-01

AIR WEATHER SERVICE, OFFUTT AFB, NEBR.
NOMOGRAM FOR FORECASTING DENSITY ALTITUDE
AWS-TR-165 N63-11444 03-19

AIR WEATHER SERVICE, SCOTT AFB, ILL.
CLIMATOLOGICAL WIND AND WIND VARIABILITY BETWEEN 150,000 AND 200,000 FEET - ROCKETSONDE
AWS-TR-166 N63-14575 10-21

RELATIVE HUMIDITY ERRORS RESULTING FROM AMBIGUOUS DEWPOINT HYGROMETER READINGS - WEATHER STATION INSTRUMENTATION
AWS-TR-171 N63-23066 24-21

WEATHER FORECASTING - WIND FORECAST ERRORS FOR SPECIFIC LOCATIONS, ALTITUDES & SEASONS
AWS-TR-170 N63-23079 24-21

AIR WEATHER SERVICE, WASHINGTON, D.C.
ESTIMATED FREQUENCIES OF SPECIFIED CLOUD AMOUNT WITHIN SPECIFIED RANGE - WEATHER MAPS
N63-16266 13-21

AIRCRAFT ARMAMENTS, INC., COCKEYSVILLE, MD.
TRANSISTORIZED FOUR-CHANNEL AUDIO AMPLIFIER WITH AUTOMATIC GAIN CONTROL
ER-2916, REV. N63-20616 20-08

THERMAL ENVIRONMENTS IN THE LOWER ATMOSPHERE
N63-20883 21-12

SIX-CHANNEL TRANSISTORIZED AUDIO AMPLIFIER DESIGN
ER-2918, REV. N63-22045 22-09

AIRCRAFT OWNERS AND PILOTS ASSN., BETHESDA, MD.
GENERAL AVIATION AND NATIONAL AIRSPACE UTILIZATION SYSTEM N63-13359 08-01

AIRCRAFT RADIO CORP., BOONTON, N.J.
INTEGRATED SYSTEM CONCEPT OF ELECTRONIC EQUIPMENT IN AIRCRAFT N63-13366 08-08

AIRCRAFT RESEARCH ASSN., LTD., BEDFORD /GT. BRIT./
GAINS IN PRESSURE, VOLUME FLOW AND POWER OF PROPORTIONAL FLUID AMPLIFIER N63-13401 08-11

WIND TUNNEL TEST RESULTS ON AGARD MODEL A - DRAG, BASE PRESSURE, PRESSURE DISTRIBUTIONS, SKIN FRICTION DRAG, LIFT AND PITCH MOMENT
N63-13509 08-02

TESTS ON AGARD MODEL D - DAMPING, UNSWEPT WING, FORCED OSCILLATION, SCATTERING, WIND TUNNEL
N63-13513 08-02

HYPERSONIC WIND TUNNEL TEST - AGARD MODEL E, HEAT TRANSFER, PRESSURE DISTRIBUTION, SHOCK WAVES AND HEMISPHERE N63-13514 08-02

ZERO-LIFT DRAG AT SUPERSONIC SPEEDS FOR SYMMETRICAL SLENDER WING WITH ROUGHNESS BANDS
ARA WIND TUNNEL NOTE-48 N63-17578 16-03

FREQUENCY SWEEP IN PHASE COMPONENT RESPONSE RECORDER FOR USE WITH HIGH SPEED FLUTTER MODELS
ARA WIND TUNNEL NOTE-52 N63-19033 18-06

AIRESEARCH MFG. CO., LOS ANGELES, CALIF.
LIQUID OXYGEN STORAGE AND CONVERSION SYSTEM FOR ALL CONDITIONS OF GRAVITY
AMRL-TDR-62-143 N63-13145 07-16

LIFE SUPPORT SYSTEMS FOR MANNED SPACE FLIGHT
N63-23239 24-16

AIRLINES COMMUNICATIONS ADMINISTRATIVE COUNCIL, WASHINGTON, D.C.
RADIO ALTIMETER EQUIPMENT CHARACTERISTIC
N63-13340 08-08

AIRBORNE DISTANCE MEASURING EQUIPMENT
N63-16893 14-15

AIRBORNE ELECTRONIC EQUIPMENT - GLIDE SLOPE RECEIVER N63-16894 14-09

AIRBORNE AUTOMATIC DIRECTION FINDER SYSTEM - MARK 2 N63-16941 14-09

CHARACTERISTICS OF ALTITUDE COMPUTER SYSTEM FOR COMMERCIAL AIRCRAFT - PRESSURE ALTITUDE OUTPUT TO TRANSPONDER OR ALTIMETER DISPLAY
N63-17700 16-15

DATA CONVERTER UNIT FOR TRANSPONDER AND ENCODING AND CONVERTING SIGNAL INPUT INTO PULSE TRAINS - ALTITUDE MEASUREMENT N63-17749 16-15

AIX-MARSEILLES U. /FRANCE/.
HIGH TEMPERATURE CONVECTIVE HEAT TRANSFER ACROSS TURBULENT BOUNDARY LAYERS IN SUPERSONIC AND HYPERSONIC GAS FLOWS IN SHOCK TUBES
N63-20199 20-11

CONSECUTIVE PHYSICAL AND AERODYNAMIC EFFECTS OF SHOCK WAVES N63-20200 20-11

SHOCK COMBUSTION TUBE FUNCTION
N63-20201 20-26

USE OF SHOCK TUBE AS BALLISTIC ENGINE FLIGHT-SIMULATOR N63-20202 20-17

CONVECTED HEAT FLUX AT STAGNATION POINT OF HEMISPHERE CYLINDER BODY N63-20588 20-03

MAGNETOHYDRODYNAMIC SHOCK TUBE - HIGH TEMPERATURE, HIGH SPEED PERFORMANCE, AND EMISSION SPECTROGRAPHY
N63-20728 21-24

RAREFIED GAS DYNAMICS - MEASUREMENTS OF STAGNATION HEAT TRANSFER USING CALORIMETRIC TRANSIENT METHOD
N63-21608 22-11

AKTIEBOLAGET ATOMENERGI, STOCKHOLM /SWEDEN/.
ADSORPTION OF TRACE ELEMENTS FROM SULFURIC ACID BY BASIC ANION EXCHANGE RESINS
AE-103 N63-17959 16-07

NEUTRON TRANSPORT EQUATION SOLUTION
AE-89 N63-19969 19-23

ALABAMA U., UNIVERSITY.
SPACE SCIENCE - EVAPORATIVE FILM COOLING FOR HEAT TRANSMISSION OF HYPERSONIC REENTRY VEHICLES
N63-15988 13-13

HEAT CAPACITY AND ENTHALPY OF BERYLLIUM SULFATE TO

900-DEG F
BM-RI-6240 N63-16488 14-23

SPECTROSCOPIC STUDIES OF RADIATION DAMAGED BROMINE ISOTOPES
AROD-2770-3 N63-22156 22-19

SKA U., COLLEGE.
MAGNETIC FIELD OF MODEL PROTON BELT
N63-11783 04-12

MAGNETIC FIELD OF RADIATION BELT AND DISTORTION OF GEOMAGNETIC FIELD N63-11951 05-12

TIME VARIATIONS OF POLAR CAP ABSORPTION ASSOCIATED WITH SOLAR COSMIC RAY BOMBARDMENT - RIOMETER INVESTIGATIONS
UAG-R127 N63-12198 05-12

DEVELOPMENT OF MAIN PHASE AND AURORAL ACTIVITIES DURING MAGNETIC STORMS
N63-12959 07-12

MAGNETIC FIELD OF LOW ENERGY PROTON BELT REVEALED BY EXPLORER XII MEASUREMENTS AND CALCULATIONS FROM SIMULATED CONDITION
NASA-TN-D-1674 N63-13821 09-12

EARTH CURRENT RESEARCH IN AURORAL ZONE - RECORDING INSTRUMENTS, X-Y PLOTTER, CYCLE COUNTING, LITERATURE
UAG-R133 N63-14173 09-12

NORTHERN QUIET ARCS IN LOWER LIMIT OF LATITUDE /US SECTOR/ AND ITS RELATION TO MAGNETIC STORMS & TO THE RING CURRENT MAGNETIC FIELD INTENSITY
N63-14287 10-12

MAGNETIC MOMENT OF MODEL RING CURRENT BELTS AND CUTOFF RIGIDITY OF SOLAR PROTONS
N63-14288 10-28

STUDY OF DYNAMIC MORPHOLOGY OF POLAR AURORA USING ALL-SKY-PHOTOGRAPHY N63-15293 12-12

ASSOCIATION BETWEEN SUBVISUAL RED ARCS AND HORIZONTAL COMPONENT OF STORM-TIME DISTURBANCE FIELD - MAGNETIC STORM AND AURORA
N63-15943 13-12

HIGH LATITUDE GEOPHYSICAL DATA, APRIL TO JUNE, 1962 - EARTH CURRENT, IONOSPHERIC ABSORPTION OF COSMIC RADIO NOISE, AND MAGNETIC ACTIVITY
UAG-C-28 N63-16023 13-12

HIGH ALTITUDE GEOPHYSICAL DATA, JULY TO SEPTEMBER 1962 - EARTH CURRENT AMPLITUDE ACTIVITY, COSMIC RAY NOISE ABSORPTION BY IONOSPHERE
UAG-C-29 N63-16026 13-12

AURORAL RAYS
NASA-CR-50190 N63-17137 15-12

MAGNETIC FIELD OF RADIATION BELTS - TRAPPED PARTICLES
NASA-TN-D-1762 N63-17141 15-12

DEFORMATION OF EARTH MAGNETIC FIELD IN RADIATION BELT REGIONS FROM RING CURRENTS AND SOLAR PLASMA FLOW
NASA-CR-50061 N63-18406 17-12

ANALYSIS AND HYDROMAGNETIC INTERPRETATION OF SUDDEN COMMENCEMENTS OF GEOMAGNETIC STORMS
UAG-R135 N63-18681 17-12

MAIN PHASE OF GREAT GEOMAGNETIC STORMS - DECAY RATES OF PHASE COMPONENTS N63-19131 18-28

MAGNETIC STORMS - DEVELOPMENT OF MAIN PHASE AND POLAR SUB-STORMS N63-19133 18-12

CAUSE OF IONIZATION IN F-REGION
N63-19692 19-12

ENHANCEMENT OF EQUATORIAL ELECTROJET DURING POLAR MAGNETIC SUBSTORMS - AURORAL ELECTROJET EFFECT
N63-20273 20-12

POLAR IONOSPHERIC BACKSCATTER & RADIO AURORAL ECHOES MEASURED BY STEP-SOUNDING
UAG-R139 N63-20419 20-12

CROSS-MODULATION OF COSMIC NOISE - INVESTIGATING THE D-REGION
UAG-R137 N63-20748 21-12

MAGNETIC, TELLURIC CURRENT, AND VLF OBSERVATIONS DURING FISHBOWL TESTS
UAG-R140 N63-21260 21-23

DEFORMATION OF MAGNETIC SHELLS DURING MAGNETIC STORMS N63-21334 21-12

HYDROMAGNETIC WAVES GENERATED BY NUCLEAR EXPLOSION AT HIGH ALTITUDE
NASA-RP-17 N63-21483 22-23

MAIN PHASE OF MAGNETIC STORMS AND STORM TIME RING CURRENT
NASA-CR-51722 N63-22929 23-12

NEGATIVE CORRELATION BETWEEN POLAR CAP VISUAL AURORA AND MAGNETIC ACTIVITY
NASA-TM-X-50782 N63-23036 24-29

ANOMALOUS ENTRY OF LOW-RIGIDITY SOLAR COSMIC RAYS INTO GEOMAGNETIC FIELD N63-23163 24-28

ALBANY MEDICAL COLL., N.Y.
BICARBONATE EXCRETION DURING HYPOTHERMIA
SAM-TDR-62-123 N63-12329 05-16

RENAL REGULATION OF BICARBONATE LOADS DURING HYPOTHERMIA
SAM-TDR-62-133 N63-12330 05-16

EXCRETION OF TITRATABLE ACID AND AMMONIA IN URINE DURING HYPOTHERMIA
SAM-TDR-63-8 N63-17737 16-16

ALKALOSIS DUE TO INTRAVENOUS SODIUM BICARBONATE INFUSION IN DOGS
SAM-TDR-63-15 N63-18897 18-16

EXTRACELLULAR POTASSIUM REGULATION IN HYPOTHERMIA OF DOGS
SAM-TDR-63-14 N63-22664 23-16

ALBERT EINSTEIN MEDICAL CENTER, PHILADELPHIA, PA.
DISTRIBUTION & METABOLISM OF MERCAPTOETHYL-GUANIDINE AND BIS /GUANIDOETHYL/ DISULFIDE IN MICE
SAM-TDR-62-68 N63-20619 20-16

DISTRIBUTION AND CHEMICAL FORMS OF GUANIDINE SULFIDES GIVEN ORALLY IN PROTECTIVE DOSES TO MICE
SAM-TDR-62-150 N63-23812 24-16

ALBERTA U., EDMONTON /CANADA/.
SEISMOLOGICAL MEASUREMENTS OF REFRACTION ARRIVALS FROM CHEMICAL EXPLOSIONS IN ALBERTA, CANADA
AFCRL-62-1121 N63-12789 06-12

ALCOR, INC., SAN ANTONIO, TEX.
DEPOSITION TESTS SIMULATING THERMAL AND OXIDATION STRESSES IN JET ENGINES FOR OIL DEGRADATION AND DEPOSITS N63-17859 16-17

ALFRED U., N.Y.
ELASTIC PROPERTIES OF SINGLE CRYSTAL MAGNESIA
AROD-2891-4 N63-11282 03-18

SEMICONDUCTING MATERIALS - PHOTOCONDUCTIVITY, DIELECTRIC CONSTANT, AND THERMOCONDUCTIVITY
N63-11967 05-25

THERMOELECTRIC PHENOMENA - THERMOCONDUCTIVITY OF SEMICONDUCTORS BY SERIES COMPARATIVE METHOD
N63-11968 05-25

SEMICONDUCTING PROPERTIES OF BORON PHOSPHIDE - CRYSTALLOGRAPHY N63-11969 05-25

PHOTOCONDUCTIVITY OF SEMICONDUCTORS - ZINC-TELLURIUM AND ZINC OXIDE N63-11970 05-25

INFRARED TRANSMITTING MATERIALS - DIELECTRIC AND MECHANICAL PROPERTIES N63-11971 05-25

ALL AMERICAN ENGINEERING CO., WILMINGTON, DEL.

ISOTROPIC ELASTIC MODULUS OF MAGNESIUM OXIDE AT THEORETICAL DENSITY
AROD-2891-5 N63-13437 08-33

ELASTIC PROPERTIES OF POLYCRYSTALLINE MAGNESIUM-ALUMINATE SPINEL AS FUNCTION OF MICROSTRUCTURE
AROD-2891-7 N63-18769 17-25

ALL AMERICAN ENGINEERING CO., WILMINGTON, DEL.
ARRESTING GEAR FOR COMMERCIAL AIRCRAFT
N63-18060 16-04

ARRESTING GEAR FOR COMMERCIAL AIRCRAFT
N63-18065 16-04

ALLIED RESEARCH ASSOCIATES, INC., BOSTON, MASS.
ELASTIC AND PLASTIC BUCKLING OF ORTHOTROPIC CYLINDERS N63-10829 02-33

PLASTIC STABILITY OF GEOMETRICALLY ORTHOTROPIC PLATES AND CYLINDRICAL SHELLS
N63-15795 13-33

SPACE EXPLORATION SYSTEM BY REMOTE INTERACTION SYSTEM - CYBERNETICS
NASA-CR-50221 N63-17954 16-14

ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS.
RADIATION DATA OF TIROS II - SYNOPTIC INTERPRETATION AND HEAT BALANCE DETERMINATION
AFCRL-63-247 N63-14399 10-13

NIMBUS SATELLITE AUTOMATIC PICTURE-TAKING SUBSYSTEM - GEOGRAPHIC POSITION, RECTIFICATION, TRACKING - DATA REDUCTION
ARA-T-9219-1 N63-17984 16-32

WEATHER SATELLITE SYSTEM DESIGN - JET STREAMS, WEATHER FORECASTING, CLOUD PHOTOGRAPHS - TIROS SATELLITE
AFCRL-63-804 N63-19138 18-32

FUJITA METHOD FOR TIROS SATELLITE PHOTOGRAPH RECTIFICATION
AFCRL-63-670 N63-20626 20-21

PHOTOMECHANICAL LAW FOR STEREOSPECIFIC POLYBUTADIENE
ARA-T-9226-1 N63-21865 22-19

ALLIS-CHALMERS MFG. CO., MILWAUKEE, WIS.
POWER SOURCES FOR MOBILE ENERGY DEPOT
ACNP-620158 N63-11685 04-10

POROUS ELECTROLYTE BINDING VEHICLE FOR HYDROGEN-OXYGEN FUEL CELLS N63-14132 09-06

CAPILLARY HYDROGEN-OXYGEN FUEL CELL - ORBIT PACKAGE, THERMAL MANAGEMENT, AND EVAPORATIVE COOLING N63-22791 23-26

HYDROGEN-OXYGEN FUEL CELL POWER PACK - MATERIALS, ENERGY BALANCE, LIFE, AND CHARACTERISTICS
N63-22792 23-26

ALLOYD ELECTRONICS CORP., CAMBRIDGE, MASS.
NONVACUUM ELECTRON BEAM WELDING
AFSC-TR-7-926/1/ N63-11042 03-17

ELECTRON-BEAM WELDING
WAL-401.54/2-2 N63-11442 03-17

INFLUENCE OF CARBON CONTENT AND SUBSTRUCTURE ON CLEAVAGE IN IRON SINGLE CRYSTALS
ASD-TR-61-686, PT. I N63-11446 03-18

METALLIC THIN FILM COMPOSITE MATERIALS
ASD-TDR-62-617 N63-11570 04-18

ELECTRON BEAM WELDING - TITANIUM ALLOYS - STEELS
WAL-401.54/2-4 N63-12105 05-17

ROLLING CONTACT DEFORMATION AND TORSIONAL FATIGUE MECHANISMS N63-19166 18-33

ALPHA RESEARCH AND DEVELOPMENT, INC., BLUE ISLAND, ILL.
APPLICATION OF FRACTURE MECHANICS TO ADHESIVE JOINTS TO ESTABLISH TOUGHNESS STANDARDS TO STRUCTURAL MATERIALS N63-13732 08-33

FRACTURE TOUGHNESS OF EPOXY ADHESIVE JOINTS WITH ALUMINUM, GLASS, AND FIBERGLAS
N63-13733 08-33

ALUMINUM CO. OF AMERICA, NEW KENSINGTON, PA.
DEVELOPMENT OF ALUMINUM-BASE ALLOYS
N63-10358 01-17

ALUMINUM CO. OF AMERICA, PITTSBURGH, PA.
SUPERSONIC TRANSPORT PROGRAM - TECHNOLOGY AND COST OF COMMERCIAL AIRCRAFT DEVELOPMENT
N63-21028 21-02

AMERICAN ACADEMY OF ARTS AND SCIENCES, BOSTON, MASS.
ANALYSIS AND SUMMARY OF RESPONSES FROM FELLOWS OF AMERICAN ACADEMY OF ARTS AND SCIENCES CONCERNING SPACE PROGRAM AS SUBJECT FOR STUDY AND THOUGHT
NASA-CR-50306 N63-18034 16-01

AMERICAN ACADEMY OF ARTS AND SCIENCES, CAMBRIDGE, MASS.
BUSINESSMEN REVIEW SPACE PROGRAMS
NASA-CR-51798 N63-23071 24-01

AMERICAN ASTRONAUTICAL SOCIETY, NEW YORK, N.Y.
MANNED LUNAR FLIGHT - LUNAR SPACECRAFT, PHYSIOLOGICAL ASPECTS, LUNAR ENVIRONMENT
N63-22841 23-32

SCIENTIFIC SATELLITES - ADVANCES IN ASTRONAUTICAL SCIENCES N63-23412 24-01

AMERICAN BOSCH ARMA CORP., GARDEN CITY, N.Y.
ACCELEROMETER - PRECISION MEASURING INSTRUMENT FOR NONLINEARITIES N63-16855 14-22

AMERICAN CYANAMID CO., STAMFORD, CONN.
BIBLIOGRAPHY OF VACUUM ULTRAVIOLET SPECTROSCOPY
ASD-TDR-62-915 N63-14923 11-07

AMERICAN ELECTRONIC LABS., COLMAR, PA.
PREAMPLIFIER AND CONVERTER FOR VERY HIGH FREQUENCY RECEIVERS N63-17718 16-15

AMERICAN INST. FOR RESEARCH, PITTSBURGH, PA.
MAINTENANCE DESIGN FOR WEAPON SYSTEMS - DEVELOPMENT, PRODUCTION AND OPERATION
MRL-TDR-62-9 N63-13811 09-01

INFORMATION PRESENTATION PARAMETERS OF VISUAL DISPLAYS OF MAPS, LINEAR GRAPHS, AND TABLES
RADC-TDR-63-378 N63-23579 24-20

AMERICAN INST. OF AERONAUTICS AND ASTRONAUTICS, NEW YORK, N.Y.
MANNED ORBITAL SPACE FLIGHT - OPERATIONS, SUPPORT DESIGN, AND DEVELOPMENT OF CONCEPTS - SPACECRAFT DESIGN AND MISSION ANALYSIS N63-17401 15-32

SECOND MANNED SPACE FLIGHT MEETING
N63-23201 24-01

AMERICAN INST. OF BIOLOGICAL SCIENCES, WASHINGTON, D.C.
SPACE BIOLOGY - NASA PROGRAMS
N63-12834 06-16

AMERICAN INST. OF ELECTRICAL ENGINEERS, NEW YORK, N.Y.
FIRE EXTINGUISHERS, SAFETY, AND DETONATION SUPPRESSION
ASD-TDR-62-526 N63-10149 01-26

AMERICAN MACHINE AND FOUNDRY CO., ALEXANDRIA, VA.
STANDARDIZATION STUDY OF COAXIAL SWITCHES
N63-11493 03-09

AMERICAN MACHINE AND FOUNDRY CO., GREENWICH, CONN.
ENGINE DESIGN EFFECT ON REMOTE HANDLING OF NUCLEAR ROCKET ENGINES N63-22321 23-27

AMERICAN MACHINE AND FOUNDRY CO., STAMFORD, CONN.
GENERALIZED RESPONSE EVALUATION PROCEDURE FOR MULTIDEGREE SPRING MASS SYSTEM - VIBRATION

N63-16081 13-33

LUNAR ALIGNMENT SYSTEMS TO FACILITATE LANDING
ASD-TDR-63-454 N63-22591 23-29

MERICAN METEOROLOGICAL SOCIETY, BOSTON, MASS.
MODIFICATION OF HAILSTONE GROWTH
TG-189 N63-18187 16-21

MERICAN OIL CO., WHITING, IND.
TRIPLET EXCITATION OF AROMATIC SOLUTES BY ELECTRON IRRADIATION
ASD-TDR-63-616 N63-18793 18-07

MERICAN OPTICAL CO., PITTSBURGH, PA.
INSTRUMENT CAPABLE OF EXAMINING MULAR MATERIAL FOR CRATERS DUE TO MICROMETEOROID IMPACT
IT-1067 N63-21793 22-29

MERICAN OPTICAL CO., SOUTHBRIDGE, MASS.
NEODYMIUM GLASS LASER - PUMPING EFFICIENCY, SPECTRAL EMITTANCE
AROD-3209-2 N63-18148 16-25

MERICAN POWER JET CO., RIDGEFIELD, N.J.
RELIABILITY OF RECOVERY SYSTEMS
N63-23322 24-04

MERICAN ROCKET SOCIETY, NEW YORK, N.Y.
TECHNOLOGY OF RENDEZVOUS, DOCKING, AND TRANSFER - AEROSPACE MEDICINE N63-20564 20-29

MERICAN SOCIETY OF MECHANICAL ENGINEERS, EW YORK, N.Y.
GLOSSARY OF TERMS PERTAINING TO SYSTEMS INVOLVING AUTOMATIC PROCESS CONTROL, FEEDBACK CONTROL AND REGULATION
ASA-C85.1-1963 N63-20010 19-09

MERICAN TELEPHONE AND TELEGRAPH CO., NEW YORK, N.Y.
TELSTAR COMMUNICATION SATELLITE
N63-11150 03-09

MP, INC., HARRISBURG, PA.
ANNOTATED BIBLIOGRAPHY ON THERMOELECTRIC EFFECTS
N63-15801 13-25

MPEX CORP., REDWOOD CITY, CALIF.
GAS-LUBRICATED SLIDER BEARINGS
TR-62-8 N63-12370 06-17

HIGH DENSITY DIGITAL RECORDING
TR 63-12 N63-14330 10-20

INDUCTION GENERATOR - KINETIC ENERGY STORAGE SYSTEM FOR POWER SUPPLY
TB-63-3 N63-14639 10-06

TAPE REELING SYSTEMS
TB-63-2 N63-14841 11-06

VELOCITY CONTROL SYSTEM FOR TAPE RECORDERS UTILIZING SPLIT-PHASE INDUCTION MOTORS
TR-63-1 N63-16165 13-09

EXTERNALLY PRESSURIZED, AXISYMMETRICAL FOIL BEARINGS
RR-63-4 N63-17072 15-17

GAS LUBRICATED STEPPED THRUST BEARING ANALYSIS
RR-63-2 N63-19170 18-17

NALYTICAL MECHANICS ASSOCIATES, INC., NIONDALE, N.Y.
OPTIMAL ROCKET FLIGHT IN GRAVITATION FIELD
AIAA PAPER-63-221 N63-17799 16-20

COMPUTER PROGRAMMING FOR INTERPLANETARY TRAJECTORY ENCKE METHOD
NASA-TM-X-50131 N63-18869 18-29

TRAJECTORY OPTIMIZATION TECHNIQUE BASED ON THEORY OF SECOND VARIATION
AIAA PAPER-63-415 N63-20762 21-29

NKARA U. /TURKEY/.
METEORIC DUST FALLOUT FROM IRON METEORITES
AFCRL-63-824 N63-19576 19-05

ANTIOCH COLL., YELLOW SPRINGS, OHIO.
HEIGHT-WEIGHT SIZING SYSTEM AND FABRICATION OF MANIKINS FOR DESIGNING NEW PROTECTIVE CLOTHING FOR FLIGHT
AMRL-TDR-63-55 N63-19357 18-17

APPLICAZIONI E RICERCHE SCIENTIFICHE, MILANO /ITALY/.
RAREFIED GAS DYNAMICS - PLANE POISEUILLE FLOW BETWEEN TWO PARALLEL PLATES WITH A MINIMUM AS FUNCTION OF KNUDSEN NUMBER N63-21592 22-11

APPLIED PHYSICS LAB., JOHNS HOPKINS U., SILVER SPRING, MD.
ENVIRONMENTAL TESTING PROCEDURES FOR TRANSIT SATELLITE PAYLOAD EQUIPMENT
TG-416-A N63-11735 04-30

PRECISION TIME AND FREQUENCY APPLICATIONS IN TRANSIT AND ANNA SATELLITE PROGRAM
TG-459 N63-11960 05-22

LINEAR ESTIMATION IN STOCHASTIC PROCESSES
BB-311 N63-12215 05-20

BIOSATELLITE RECOVERY FROM CIRCULAR ORBITS
CM-1026 N63-12220 05-29

INJUN I SATELLITE OBSERVATIONS OF SOLAR PROTONS AND MAGNETIC STORMS N63-13317 07-28

SONIC GAS JET LATERAL INJECTION INTO SUPERSONIC DUCT FLOW
BB-316 N63-14270 10-11

COMBUSTION INSTABILITY OF BURNING SOLID PROPELLANT AND ASSOCIATED RESEARCH
TG-371-4B N63-15576 12-26

COMBUSTION INSTABILITY IN SOLID FUEL ROCKETS - ACOUSTIC RESONANCE N63-15577 12-26

ACOUSTIC AMPLIFICATION AND ATTENUATION BY BURNING SOLID PROPELLANTS - COMBUSTION INSTABILITY
N63-15590 12-26

MAGNETIC FIELD AND ROTATION PERIOD OF VENUS
TG-230-T304 N63-16121 13-29

VIBRATIONAL RELAXATION IN OXYGEN AT HIGH TEMPERATURE
TG-230-T330 N63-16948 14-11

FLUID INJECTION & THRUST VECTOR CONTROL FOR ROCKETS - PERFORMANCE PREDICTION FOR GAS AND LIQUID INJECTANTS
CM-1027 N63-17100 15-20

RELIABILITY OF TRANSIT NAVIGATION SATELLITE SYSTEM
N63-17292 15-32

MICROELECTRONICS LAB AT JOHN HOPKINS UNIVERSITY
N63-17357 15-09

MICROELECTRONICS - SYNTHESIS OF DECODER SUBSYSTEM USING THIN FILM TECHNIQUES N63-17376 15-09

DYNAMIC ANALYSIS OF GRAVITY GRADIENT SATELLITE WITH PASSIVE DAMPING
TG-502 N63-18203 16-30

RADICAL CONCENTRATIONS AND REACTIONS IN METHANE-OXYGEN FLAME N63-18556 17-26

CHAPMAN-ENSKOG KINETIC THEORY OF TRANSPORT PROPERTIES OF DILUTE GASES - INELASTIC COLLISIONS
N63-18567 17-11

CHEMICAL KINETICS IN SUPERSONIC NOZZLE FLOW
N63-18574 17-07

SCALING IN UNSTABLE COMBUSTION PROCESSES OF SOLID PROPELLANT ROCKET ENGINES N63-18592 17-23

RELAXATION EFFECTS IN TRANSPORT PROPERTIES OF ROUGH SPHERE GAS - KINETIC THEORY OF POLYATOMIC MOLECULES
NASA-CR-50595 N63-18877 18-11

MAGNETOHYDRODYNAMIC VORTICES
CM-1037 N63-19082 18-24

GRAVITY-GRADIENT ATTITUDE STABILIZATION OF A SATELLITE
TG-514 N63-20772 21-32

CLOCK PARADOX IN THEORY OF RELATIVITY - TIME BEHAVIOR IN COMPARABLE COORDINATE SYSTEMS
TG-230-T333 N63-21916 22-23

FIXED GEOMETRY SHOCK-DUCT DIFFUSERS IN HYPERSONIC HELIUM TUNNEL
TG-461 N63-22836 23-10

TRIODE-DIODE FUNCTION GENERATOR FOR ANALOG COMPUTERS
BB-318 N63-23174 24-09

FORMAL KINETIC THEORY FOR TRANSPORT PHENOMENA IN POLYATOMIC GAS MIXTURE N63-23410 24-11

ENGINEERING PROBLEMS IN SCIENTIFIC SATELLITES ELECTRONIC APPARATUS FOR ATTITUDE CONTROL & POWER SUPPLY N63-23413 24-32

PHYSICAL CHEMISTRY AND FLUID DYNAMICS OF HIGH TEMPERATURE, HIGH SPEED GAS FLOW
SR-4-2 N63-23660 24-11

APPLIED PSYCHOLOGICAL SERVICES, WAYNE, PA.
HUMAN ENGINEERING, AIRCRAFT COCKPIT VISUAL DISPLAYS - FACTORS AFFECTING CONTROL ACTIVIATION - TOGGLE SWITCH DENSITY
NAMC-ACEL-488 N63-10114 01-04

APPLIED PSYCHOLOGY CORP., ARLINGTON, VA.
MIDAIR VISUAL COLLISION AVOIDANCE DATA APPLIED TO HIGHWAY SAFETY N63-12823 06-14

TEST RANGE EVALUATION OF AIRCRAFT PAINT PATTERNS FOR AIR TRAFFIC CONTROL N63-16567 14-15

FLIGHT SIMULATOR TESTS FOR ALTITUDE MEASUREMENT - LIGHT CODING SYSTEM ON AIRCRAFT FOR PREVENTION OF MID-AIR COLLISIONS N63-17952 16-14

DISTANCE ESTIMATION OF FREQUENCY-CODED AND UNIFORMLY FLASHING LIGHTS - HUMAN FACTOR N63-18268 17-14

MID-AIR COLLISION AVOIDANCE NAVIGATION UNDER DAYTIME VISUAL FLIGHT RULES - USE OF INTENTIONALLY GENERATED VISIBLE TRAILS N63-18818 18-22

BACKSCATTERED LIGHT EFFECTS ON PILOT ABILITY TO DETECT AIRCRAFT TARGET LIGHTS N63-19080 18-23

FLIGHT TEST OF AN ALTITUDE-CODED AIRCRAFT LIGHT SIGNAL - COLLISION PREVENTION INSTRUMENT N63-19593 19-06

AIR TRAFFIC ALTITUDE EVASION IN VISUAL FLIGHT RULE COLLISION AVOIDANCE N63-19870 19-14

LIGHTING EQUIPMENT FOR TELEVISION AND RADIO ANTENNA TOWERS - MARGINAL VISUAL FLIGHT RULES WEATHER N63-19935 19-22

SIGNAL DETECTION BY PILOTS - LIGHT SOURCE AGAINST CITY LIGHT BACKGROUND - VISUAL PERCEPTION N63-20690 20-14

PILOT PERFORMANCE IN ESTIMATION OF AIRCRAFT RANGE AND ALTITUDE N63-22056 22-14

VISUAL MID-AIR COLLISION PREVENTION - ALTITUDE AND RANGE JUDGEMENT N63-22848 23-01

ARA, INC., WEST COVINA, CALIF.
THEORETICAL AND EXPERIMENTAL CONVOLUTED STRUCTURES FOR ENERGY ABSORPTION N63-15652 12-33

ARACON GEOPHYSICS CO., CONCORD, MASS.
TERRAIN ANALYSIS OF THE UNITED STATES SURFACE FEATURES AS VIEWED BY TIROS
ARA-T-9219-4 N63-20718 21-12

STRATIFORM CLOUD PATTERNS AND DISTRIBUTION IN CANARY ISLANDS FROM ANALYSIS OF PHOTOGRAPHS
AFCRL-63-694 N63-22441 23-21

ARBEITS- UND FORSCHUNGSGEMEINSCHAFT GRAF ZEPPELIN, STUTTGART /W. GERMANY/.
AUTOMATIC DEAD RECKONING NAVIGATION, ELECTRICAL EQUIPMENT, COMPUTATION INTEGRATION, DISPLAY N63-12786 06-22

ARCTIC HEALTH RESEARCH CENTER, ANCHORAGE, ALASKA.
AIR FORCE ARCTIC WASTE DISPOSAL SYSTEM
AAL-TDR-62-46 N63-21395 22-16

ARCTIC INST. OF NORTH AMERICA, MONTREAL /CANADA/.
METEOROLOGY AND GLACIOLOGY IN THE ARCTIC FROM MAY TO SEPT 1960 - ICE RISE STATION, WARD HUNT ISLAND
AINA RES. PAPER-24 N63-13470 08-21

ARCWELD MFG CO., GROVE CITY, PA.
RECORDING OF TIME-DEFORMATION DURING CREEP-RUPTURE TESTING AT 1200-DEG F N63-13237 07-33

ARDE-PORTLAND, INC., PARAMUS, N.J.
CRYOGENIC STRETCH FORMING OF SOLID-PROPELLANT ROCKET CASES N63-10457 01-17

CRYOGENIC STRETCH-FORMING OF SOLID PROPELLANT ROCKET CASES N63-13708 08-17

SOLID ROCKET NOZZLE COOLING WITH LIQUID LITHIUM N63-15546 12-27

FEASIBILITY OF USING LIQUID ROCKET ENGINE COOLING TECHNIQUES FOR COOLING SOLID ROCKET NOZZLES - HEAT TRANSFER COEFFICIENTS FOR UNCOOLED NOZZLES N63-15836 13-26

HIGH STRENGTH ALLOYS DEVELOPED BY CRYOGENIC STRETCH-FORMING N63-20141 20-18

FABRICATION OF 65.5-INCH DIAMETER SIMULATED ROCKET MOTOR CASE BY CRYOGENIC STRETCH-FORMING N63-22087 22-26

ARGENTINA. COMISION NACIONAL DE ENERGIA ATOMICA, BUENOS AIRES.
ELECTRONIC MICROSCOPY - DEFORMATION BY IMPACT AND ANNEALING - ALUMINUM N63-11333 03-18

LUMINESCENT DERIVATIVES OF BORAZOLE AND THEIR APPLICATION IN COUNTING THERMAL NEUTRONS N63-16038 13-07

OXIDATION KINETICS OF URANIUM DIOXIDE IN AIR - THERMAL ANALYSIS N63-16141 13-07

NONDESTRUCTIVE TESTING TO MEASURE THICKNESS OF FUEL ELEMENT COATINGS N63-19425 19-17

DISLOCATION-GENERATED INTERNAL FRICTION IN ATOMIC SOLUTIONS - STRESS ANALYSIS N63-19448 19-23

ANALOGOUS SERVOAMPLIFIER FOR ANALOG COMPUTERS N63-19449 19-09

ACTUATOR WITH TRANSISTORIZED AMPLIFIER N63-21628 22-23

AMPLITUDE OF MONOCHANNEL SPECTROMETER RESPONSE TO RADIOACTIVITY N63-21629 22-23

CO-PRECIPITATION TECHNIQUE FOR WORKING WITH SHORT LIVED ISOTOPES IN RADIOCHEMISTRY N63-21630 22-23

ANGULAR CROSS SECTIONS FOR HELIUM-3 & HELIUM-4 REACTIONS AT VARYING BOMBARDING ENERGIES
NYO-9539 N63-22835 23-23

ARGONNE CANCER RESEARCH HOSPITAL, CHICAGO, ILL.
RADIATION MEDICINE - APPLICATION TO CANCER RESEARCH - EFFECTS ON HUMAN BODY
ACRH-19 N63-18345 17-16

ARGONNE NATIONAL LAB., ILL.
NUCLEAR PHYSICS - GAMMA RADIATION, NEUTRON POLARIZATION, LIGHT NUCLEI
ANL-6603 N63-10407 01-23

ENGINEERING APPLICATIONS OF ANALOG COMPUTERS - REACTOR STUDIES
ANL-6319 REV. N63-10613 02-20

CRITICAL TWO-PHASE, ONE-COMPONENT FLOW
ANL-6633 N63-11025 03-11

BENDING-MAGNET AND QUADRUPOLE ABERRATIONS FOR PARAXIAL RAYS
ANL-6611 N63-11199 03-23

REACTOR DEVELOPMENT PROGRAM - POWERPLANTS, FUELS, PHYSICS, AND SAFETY
ANL-6658 N63-11492 03-23

PLANT GROWTH AND DEVELOPMENT IN COMPENSATED GRAVITATIONAL, MAGNETIC, AND ELECTRICAL FIELDS
N63-11540 03-16

COMPUTER PROGRAM SUBROUTINES - BIBLIOGRAPHY
ANL-6641 N63-11601 04-20

STUDIES OF NEUTRON SCATTERING AND NEUTRON DETECTORS
ANL-6517 N63-11640 04-23

SURFACE AND VOLUME PROPERTIES OF GROUND STATE NUCLEAR MATTER
ANL-6623 N63-11689 04-20

ANALOG COMPUTATION OF TEMPERATURE DISTRIBUTION IN SOLIDS WITH ELECTRICAL HEAT-GENERATION AND TEMPERATURE-DEPENDENT PROPERTIES
ANL-6645 N63-11751 04-13

TREATMENT OF PERIODIC POTENTIAL PROBLEMS
ANL-6647 N63-11752 04-20

HEALTH RADIOCHEMISTRY - RADIATION EFFECTS - BIOCHEMISTRY
ANL-6637 N63-11815 04-07

NITRIDATION RATES OF URANIUM-FISSIUM ALLOYS
ANL-6642 N63-12140 05-07

ARGONNE DUAL NEUTRON DIFFRACTOMETERS USING SINGLE PRIMARY BEAM
ANL-6537 N63-12209 05-15

DESIGN SUMMARY ON THE JUGGERNAUT REACTOR
ANL-6616 N63-12317 05-10

REACTOR DEVELOPMENT PROGRAM - COOLANTS AND COOLING SYSTEMS, TECHNOLOGY, AND SAFETY
ANL-6672 N63-12318 05-10

TUNNEL DIODE CIRCUIT ANALYSIS BY GRAPHICAL ANALYSIS OF NONLINEAR DIFFERENTIAL EQUATIONS
ANL-6634 N63-12344 05-09

HELIUM-PURIFICATION FOR HIGH PURITY INERT-ATMOSPHERE BOXES
ANL-6652 N63-12740 06-17

HIGH TEMPERATURE SENSORS FOR MEASURING NUCLEAR REACTOR FUEL AND COOLANT SYSTEMS
ANL-6636 N63-12935 07-15

NUCLEAR REACTORS - FUEL, CALORIMETRY, REACTOR SAFETY
ANL-6596 N63-13024 07-07

URANIUM OXIDE-SODIUM POTASSIUM SLURRY FOR REACTOR FUEL
ANL-6644 N63-13025 07-26

THERMAL EXPANSION OF ALPHA-ZIRCONIUM SINGLE CRYSTALS - ANISOTROPIC STRUCTURE
ANL-6591 N63-13065 07-18

URANIA-NEODYMIA COMPOSITIONS FOR NUCLEAR FUEL
ANL-6631 N63-13066 07-18

COMPUTER CALCULATED THERMODYNAMIC PROPERTIES OF HYDROGEN AT SPECIFIC TEMPERATURES AND PRESSURE
ANL-6673 N63-13067 07-23

NUCLEAR REACTORS - BOILING WATER REACTOR, LIQUID-METAL-COOLED REACTOR, REACTOR SAFETY
ANL-6683 N63-13068 07-23

TWO-PHASE NATURAL CIRCULATION SYSTEMS FOR REACTORS
ANL-6653 N63-13310 07-20

VAPORIZATION AND CONDENSATION - EVAPORATION, IRREVERSIBLE THERMODYNAMICS
ANL-6663 N63-13576 08-07

CALCULATION FOR ZPR-VII LATTICE CRITICALITY EQUATION WITH THORIA-URANIA FUEL IN HEAVY WATER
ANL-6661 N63-13606 08-26

NUCLEAR AND GENERAL PHYSICS & MASS SPECTROSCOPY - NEUTRON CROSS SECTION, PROTON SCATTERING, AND MESON-NUCLEON INTERACTION
ANL-6666 N63-13652 08-23

ANL 350 HELIUM-ATMOSPHERE SYSTEM - MOISTURE AND OXYGEN REMOVAL, PURIFICATION, RADIOACTIVE MATERIAL PROCESSING
ANL-6489 N63-13774 08-10

FRICKE DIFFUSION KINETICS CODE TO STUDY REACTIONS OF FREE RADICALS
ANL-6560 N63-13922 09-20

AXISYMMETRIC FREE-CONVECTION HEAT TRANSFER ALONG A VERTICAL THIN CYLINDER WITH CONSTANT SURFACE TEMPERATURE
ANL-6660 N63-14076 09-13

LOCAL PARAMETERS IN COCURRENT MERCURY-NITROGEN TWO-PHASE FLOW
ANL-6625 N63-14562 10-11

REDUCTION IN VAPOR CARRYUNDER IN SIMULATED BOILING BY INSERTION OF WIRE MESH
ANL-6674 N63-14563 10-11

RETROSPECTIVE ANALYSIS OF ASPECTS OF ALPR-SL-1 DESIGN
ANL-6692 N63-14564 10-23

REACTOR DEVELOPMENT PROGRAM - DESIGN, SAFETY - NUCLEAR ROCKET FUEL TEST REACTOR
ANL-6705 N63-14971 11-27

HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER - VOID FRACTION TEST RUNS FOR BOILING SODIUM STUDIES
N63-15023 11-13

HAZARDOUS LATE EFFECTS OF RADIATION EXPOSURE IN MAN
N63-15131 11-16

PHYSICS SUMMARY - VAN DE GRAFF ACCELERATOR, NUCLEAR REACTIONS, MASS SPECTROSCOPY, SUPERCONDUCTIVITY, AND PARTICLE THEORY
ANL-6679 N63-15185 11-23

FLOW CHARACTERISTICS OF SATURATED FREON-II THROUGH APERTURES AND SHORT TUBES
ANL-6667 N63-15218 11-11

ALPHA-GAMMA ANGULAR CORRELATION WITH AMERICIUM AND PERCHLORIC ACID SOLUTIONS
ANL-6685 N63-15375 12-23

LAMB WAVES IN NONDESTRUCTIVE FLAW DETECTION
N63-15380 12-18

NANOSECOND ELECTRON ACCELERATOR - DESIGN, OPERATION, AND MAINTENANCE
ANL-6700 N63-15538 12-09

SAFETY ANALYSIS - EXPERIMENTAL BREEDER REACTOR-1 WITH MARK IV PLUTONIUM FUEL CORE - RADIATION HAZARD AND TOXICITY
ANL-6411 N63-15937 13-10

REACTOR TECHNOLOGY - BOILING WATER & LIQUID METAL COOLED REACTORS - REACTOR SAFETY
ANL-6717 N63-16179 13-23

NUCLEATE BOILING CHARACTERISTICS AND CRITICAL HEAT FLUX OCCURRENCE IN SUBCOOLED AXIAL FLOW OF WATER COOLED REACTOR SYSTEMS
ANL-6675 N63-16483 14-13

RADIOLOGICAL PHYSICS RESEARCH - RADIOISOTOPE METABOLISM, QUANTUM YIELD OF LIQUID SCINTILLATORS, SHIELDING, FILM DOSIMETERS, RADON METEOROLOGY
ANL-6646 N63-17305 15-01

RADIOPHYSICS - METABOLIC MODEL FOR BONE-SEEKING RADIOACTIVE ALKALINE EARTH ISOTOPES USING MATHEMATICAL POWER FUNCTION N63-17306 15-16

RADIOPHYSICS - MEASUREMENT OF PHOTOLUMINESCENT QUANTUM YIELD OF LIQUID SCINTILLATORS
N63-17307 15-23

COSMIC RAY PRODUCTION OF MUONS AND NEUTRONS IN MASSIVE RADIATION SHIELDS - EFFECTS ON LOW ENERGY GAMMA RAY BACKGROUND RADIATION MEASUREMENTS
N63-17308 15-23

EFFECT OF SILVER HALIDE CONTENT IN FILM EMULSION ON RADIATION DOSIMETER RESPONSE TO STRONTIUM-90/ YTTRIUM-90 BETA RADIATIONS - RADIOPHYSICS
N63-17309 15-23

VERTICAL & TEMPORAL DISTRIBUTIONS OF RADON IN THE ATMOSPHERE RELATED TO ATMOSPHERIC KINETICS - METEOROLOGICAL ANALYSIS - RADIOPHYSICS
N63-17310 15-21

IRRADIATION EFFECTS ON THORIUM AND THORIUM-URANIUM ALLOYS
ANL-5674 N63-17914 16-18

BOILING WATER AND LIQUID METAL-COOLED NUCLEAR REACTORS - TECHNOLOGY, MAGNETOHYDRODYNAMICS, AND SAFETY FACTORS
ANL-6739 N63-18027 16-23

FORTRAN LANGUAGE CODING SYSTEM FOR COMPUTING RESONANCE INTEGRALS OF ISOTOPE MIXTURES
ANL-6709 N63-18245 17-20

FORTRAN PROGRAMS FOR COMPUTING ANGULAR DISTRIBUTIONS AND Q-VALUES OF NUCLEAR REACTIONS - IBM 704 COMPUTER PROGRAM
ANL-6718 N63-18331 17-20

THERMODYNAMIC PROPERTIES OF VANADIUM-IRON ALLOY SYSTEM - MEASUREMENT OF IRON VAPOR PRESSURE BY TORSION-EFFUSION METHOD
ANL-6657 N63-18383 17-18

SMALL, LIGHTWEIGHT URANIUM CARBIDE FUELED NUCLEAR REACTOR WITH A BERYLLIUM REFLECTOR SURROUNDING CORE - ZPR-III REACTOR
ANL-6713 N63-19219 18-10

REACTOR DEVELOPMENT PROGRAM - BOILING WATER REACTOR, LIQUID-METAL-COOLED REACTOR AND PLUTONIUM RECYCLE REACTOR - REACTOR SAFETY AND TECHNOLOGY
ANL-6749 N63-19220 18-10

MANY-PARTICLE THEORY OF INTERACTING PHONONS IN CRYSTALS
ANL-6744 N63-19730 19-25

TRANSFER FUNCTION SYNTHESIS FOR LINEAR DYNAMIC SYSTEM AS RATIO OF TWO POLYNOMIALS
ANL-6716 N63-19825 19-20

COMMUTATION RELATIONS OF THREE-DIMENSIONAL UNITARY UNIMODAL MATRICES SU-SUB3 - ELEMENTARY PARTICLE PHYSICS
ANL-6729 N63-19841 19-20

BIOLOGICAL, MEDICAL RESEARCH - BIOMEDICINE, ANIMAL STUDIES OF RADIATION DAMAGE, AMINO ACID BIOSYNTHESIS, DYNAMICS OF TUMOR GROWTH
ANL-6723 N63-20436 20-16

REACTOR DEVELOPMENT PROGRAM - BOILING WATER REACTOR
ANL-6764 N63-20444 20-10

CHEMICAL ENGINEERING RESEARCH - METALLURGY, FUEL VOLATILITY, CALORIMETRY, REACTOR SAFETY, ENERGY CONVERSION, NUCLEAR CONSTANT DETERMINATION
ANL-6648 N63-20681 20-18

OXYGEN PRESSURES CALCULATED FROM HYDROGEN-WATER SYSTEM AND FROM DISSOCIATION OF CUPRIC OXIDE
ANL-6747 N63-20711 21-07

VARIANCE IN SCINTILLATOR LIGHT COLLECTION
ANL-6737 N63-20893 21-23

ELECTRIC RESISTIVITY PROBE FOR VOID-FRACTION MEASUREMENTS IN AIR-WATER FLOW
ANL-6738 N63-20894 21-11

CONDUCTION-COOLED REACTOR POWER SUPPLY FOR SPACE
ANL-6694 N63-21032 21-23

CRYSTALLOGRAPHIC DATA FOR ALPHA PLUTONIUM INCLUDING X-RAY DIFFRACTION PATTERNS
ANL-6676 N63-21042 21-18

THEORY FOR MATCHING COMPUTER INSTRUCTION REPETOIRE TO PROBLEM REQUIREMENTS
ANL-6722 N63-21206 21-20

DETERMINATION OF EXPOSURE BY RECORDINGS OF WRIST RADIATION FILM BADGES - RADIATION DETECTOR
ANL-6765 N63-21390 22-16

ULTRASONIC IMAGING METHODS WITH ANNOTATED BIBLIOGRAPHY
ANL-6680 N63-21406 22-23

COMPARISON OF HALL EFFECT, RESISTIVITY AND MAGNETORESISTANCE OF URANIUM MONOSULFIDE WITH OTHER FERROMAGNETIC MATERIALS
ANL-6731 N63-21706 22-19

SOVIET CORROSION CHEMISTRY RESEARCH
TID-17940 N63-22221 23-18

NUCLEAR REACTOR DEVELOPMENT
ANL-6780 N63-22565 23-23

FORTRAN PROGRAM FOR LOCATION OF FOURIER PEAK CENTERS
ANL-6699 N63-22754 23-20

MORSE INDEX THEOREM AND GEOMETRICAL OPTICS - PROOF AND CALCULUS OF VARIATIONS
ANL-6730 N63-22755 23-23

TRANSIENT BEHAVIOR OF NATURAL CIRCULATION LOOP OPERATING NEAR THERMODYNAMIC CRITICAL POINT
ANL-6710 N63-22756 23-11

ANALYSIS TECHNIQUES USING SECOND LAW OF THERMODYNAMICS
ANL-6741 N63-22757 23-11

TWO-PHASE, TWO-COMPONENT FLOW IN HORIZONTAL CONVERGING-DIVERGING NOZZLES
ANL-6754 N63-22758 23-02

BASIC MATERIALS RESULTING FROM NUCLEAR ROCKET REACTOR STUDY - FUEL TESTING
ANL-6656 N63-22759 23-27

REACTOR PHYSICS CONSTANTS
ANL-5800 N63-22834 23-23

CHEMICAL KINETICS OF NICKEL-FLUORINE REACTION USING RADIOACTIVE TRACER ISOTOPES
ANL-6684 N63-22988 23-07

TWO-COMPONENT TWO-PHASE FLOW PARAMETERS FOR LOW CIRCULATION RATE
ANL-6755 N63-22989 23-11

NUCLEAR PHYSICS, HIGH-ENERGY PHYSICS, AND EXTRANUCLEAR PROPERTIES OF MATTER
ANL-6720 N63-23161 24-23

NUCLEAR AND THEORETICAL PHYSICS RESEARCH
ANL-6767 N63-23162 24-23

DESIGN OF BIOLOGICAL IRRADIATION FACILITY JANUS FOR STUDY OF BIOLOGICAL AND GENETIC EFFECTS OF RADIATION ON PERSONNEL
ANL-6745 N63-23570 24-23

PYROMETALLURGICAL PROCESSES - FISSIONABLE MATERIAL RECOVERED BY CHEMICAL ENGINEERING METHODS

ANL-6766 N63-23571 24-07

RINC RESEARCH CORP., WASHINGTON, D.C.
ACCURACY OF AIR FORCE MAINTENANCE 66-1 REPORTING N63-10725 02-17

PREDICTION OF FIELD RELIABILITY FOR AIRBORNE ELECTRONIC SYSTEMS N63-14307 10-04

FAILURE RATES AND FAILURE MODES OF AIRBORNE ELECTRONIC EQUIPMENT N63-17260 15-09

PREDICTING RELIABILITY OF AIR FORCE GROUND ELECTRONIC SYSTEMS
RADC-TDR-63-300, VOL. II N63-21550 22-06

PREDICTING RELIABILITY OF GROUND ELECTRONIC SYSTEMS
RADC-TDR-63-300, VOL. I N63-21551 22-06

RIZONA STATE U., TEMPE.
COLLOID ABSORPTION BANDS FOR CALCIUM-SODIUM FLUORIDES AND CESIUM BROMIDE - PILE IRRADIATION EFFECT ON TITANIUM DIOXIDE ELECTRIC RESISTANCE
TID-17912 N63-17614 16-25

IMMUNITY AND INFECTION RESISTANCE IN HYPOTHERMIC CONDITIONS
AAL-TDR-62-48 N63-19306 18-16

RIZONA STATE COLL., FLAGSTAFF.
INFRARED ATMOSPHERIC STUDIES - ATMOSPHERIC TRANSMISSION AT 6.3 AND 16 TO 24 MICRONS
AFCRL-63-484 N63-17074 15-12

RIZONA U., PHOENIX.
NONSATURATING TRANSISTOR SWITCHING CIRCUIT FOR CURRENT AMPLIFIERS AND SWITCHES IN ANALOG COMPUTERS
ACL-MEMO-78 N63-23058 24-09

RIZONA U., TUCSON.
TEMPERATURE FLUCTUATION AT A WETTING FRONT AND RATE ANALYSIS OF WATER FLOW IN SOILS N63-11581 04-23

WINDOWLESS TUBES FOR X-RAY SPECTROSCOPY N63-12579 06-23

QUANTITATIVE CALCULATIONS OF INTENSITY OF CHARACTERISTIC X-RAYS EXCITED BY ELECTRON BEAM IN THICK TARGETS N63-12651 06-23

ELECTRICAL AND MAGNETIC PROPERTIES OF ORGANIC SOLIDS - ELECTRON SPIN RESONANCE SPECTROSCOPY
AFCRL-62-1116 N63-12731 06-07

X-RAY FLUORESCENT EMISSION OF LIGHT ELEMENTS FOR SPECTROSCOPY N63-12988 07-23

VISUAL AND AUDITORY STUDIES - INCREASE IN SPEECH INTELLIGIBILITY THROUGH PRE-EMPHASIS PRIOR TO MASKING BY GAUSSIAN NOISE
MRL-TDR-62-11 N63-13812 09-23

LUNAR AND PLANETARY LABORATORY - PHOTOMETER, INFRARED SPECTRA OF VENUS, AND STELLAR SPECTROMETER N63-14008 09-05

DIGITALIZED MULTI-COLOR PHOTOMETER AND DATA REDUCTION SYSTEM FOR STELLAR OBSERVATIONS IN 0.35 TO 5.0 MICRON REGION N63-14009 09-15

PHOTOMETRY OF INFRARED SPECTRA OF VENUS & CARBON DIOXIDE CONTENT OF ATMOSPHERE N63-14010 09-05

INFRARED STELLAR SPECTROMETER WITH LEAD SULFIDE DETECTOR AND RESOLUTION OF 3A N63-14011 09-15

PHOTOMETRIC STUDY OF ASTEROID, LUNAR MAP, SPECTROPHOTOMETRY OF STARS AND PLANETS, AND ASTRONOMICAL PHOTOMETRY N63-15077 11-05

PHOTOMETRIC STUDY OF ASTEROIDS - LIGHT-CURVES N63-15078 11-05

PHOTOMETRIC STUDY OF ASTEROIDS N63-15079 11-05

MAP OF LUNAR LIMB AREAS - PART III N63-15080 11-05

COMPOSITION ANOMALY OF 3 CENTAURI A AND STELLAR EVOLUTION N63-15081 11-05

SURFACE PHOTOMETRY OF PLANETARY NEBULA, GALAXY, AND INTERSTELLAR MATERIAL - ISOPHOTES BY MICRODENSITOMETER N63-15082 11-05

WAVELENGTH DEPENDENCE OF POLARIZATION - ASTRONOMICAL PHOTOMETRY OF INTERPLANETARY MATTER N63-15083 11-05

INFRARED SPECTRA OF STARS AND PLANETS - PART II, WATER IN OMICRON CETI N63-15084 11-05

SINGLE AND DUAL CHANNEL CAPACITY FOR INFORMATION PROCESSING
NASA-CR-50067 N63-18402 17-14

WINDOWLESS TUBES FOR X-RAY SPECTROSCOPY N63-19475 19-15

CORRELATION AND CHRONOLOGY OF ORE DEPOSITS AND VOLCANIC ROCKS N63-19801 19-12

TELEMETRY DEVICES FOR DENTAL RESEARCH
SAM-TDR-63-36 N63-22980 23-16

SELENIUM DIOXIDE OXIDATION OF OLEFINS N63-23594 24-07

ARKANSAS U., FAYETTEVILLE.
TEMPERATURE STRATIFICATION OF CRYOGENIC PROPELLANTS N63-11329 03-26

ION-ATOM AND ION-MOLECULE COLLISIONS - SPECTROSCOPIC STUDY WITH ION BEAMS
AFCRL-63-225 N63-14240 10-23

NUCLEAR CHEMISTRY AND GEOCHEMISTRY R&D - NEUTRON CHARGE, URANIUM-238 FISSION YIELD, RADIUM-226 IN MANGANESE TUFA, AND FISSION PRODUCED ZIRCONIUM N63-16386 17-07

TRANSIENT TEMPERATURE HISTORY WITH UNIFORM ENERGY GENERATION FOR PLATE, CYLINDER & SPHERE N63-22317 23-13

ARMOUR RESEARCH FOUNDATION, CHICAGO, ILL.
RADIATIVE ENERGY TRANSFER ON ENTRY INTO MARS AND VENUS ATMOSPHERE
ARF-1200-3 N63-10142 01-29

ENZYMATIC DIGESTION OF ALGAL CELLS
AMRL-TDR-62-91 N63-10151 01-16

PENETRATION STUDIES OF SIMULATED LUNAR DUST N63-10372 01-29

EXCESS NOISE IN SEMICONDUCTORS N63-10406 01-25

HIGHLY REFLECTING COATINGS FOR THE SPACE ENVIRONMENT N63-10917 02-13

LIQUID PROPELLANT SENSITIVITY, SHOCK TUBE AND FLASH-IRRADIATION TESTS ON NITROGLYCERINE
ARF-3197-15 N63-10956 02-26

VIABILITY OF TERRESTRIAL MICROORGANISMS IN A SIMULATED MARTIAN ENVIRONMENT
ARF-3194-7 N63-11127 03-29

ENZYMATIC DIGESTION OF ALGAL CELLS N63-11487 03-16

EFFECT OF ADDITION ELEMENTS ON BETA GRAIN GROWTH RATE IN ALPHA-BETA AND BETA TITANIUM ALLOYS
ASD-TR-62-520 N63-11602 04-18

INTERIOR BALLISTIC ANALYSIS OF TRAVELING CHARGE HYPERVELOCITY GUN - MATHEMATICAL MODEL N63-11712 04-11

NEUTRON INTERACTIONS IN MATTER AND RELATIONSHIP TO

IMAGE FORMATION
ARF-1164-27 N63-11821 04-17

ZONE REFINING OF CEMENTED TUNGSTEN-BASE ALLOYS - PLASTIC DEFORMATION THEORY
WAL-TR-372/32-3-T1 N63-12376 06-18

PLASTIC DEFORMATION OF CEMENTED ALLOYS - DUCTILITY OF TUNGSTEN FIBER-COPPER-NICKEL COMPOSITES IN TENSION AND COMPRESSION, EFFECT OF ADDITIVES
WAL-TR-372/32-3-T3 N63-12377 06-18

FOG-RESISTANT MATERIALS FOR HIGH ALTITUDE HELMET VISORS FOR PRESSURIZED SUIT
AMRL-TDR-62-141 N63-12739 06-16

PRODUCTION OF PREALLOYED MOLYBDENUM-TITANIUM-CARBON POWDERS BY CO-REDUCTION OF THEIR HALIDES
ARF-B224-5 N63-12768 06-18

METAL FIBER REINFORCED SOLDERING TAPE AND BEARINGS OF LEAD-TIN ALLOYS
ARF-B765-25 N63-12801 06-18

CHEMISTRY OF OXYGEN-FLUORINE COMPOUNDS - SYNTHESIS AND REACTIONS WITH ALKALI METALS
ARF-3227-1 N63-12878 07-07

CHLOROPLASTS ISOLATED FROM PLANT LEAVES - ARTIFICIAL PHOTOSYNTHESIS
AMRL-TDR-62-146 N63-13178 07-16

EFFECT OF ION BOMBARDMENT ON CARRIER LIFETIME, PHOTOCONDUCTIVITY AND SURFACE STRUCTURE OF GERMANIUM CRYSTALS - SEMICONDUCTORS
ARF-3190-6 N63-13197 07-25

CHEMISTRY OF OXYFLUORIDES AS OXIDIZING AND FLUORINATING AGENTS
ARF-3227-2 N63-13272 07-07

LOW DENSITY TITANIUM-ALUMINUM-NIOBIUM ALLOY FOR USE AT 1200 TO 1800-DEG F
ASD-TR-61-446 N63-13665 08-19

DIFFUSION IN TITANIUM AND TITANIUM ALLOYS
ARF-2208-16 N63-14056 09-18

INORGANIC ION EXCHANGE MEMBRANES FOR HYDROGEN-OXYGEN FUEL CELLS N63-14125 09-06

METAL EMBRITTLEMENT BY ORGANIC LIQUIDS - MECHANICAL PROPERTIES - STATIC AND DYNAMIC FATIGUE TESTS
ARF-B183-13 N63-14299 10-18

UPPER ATMOSPHERIC ELECTRON REMOVAL TECHNIQUES
AFCRL-63-52 N63-14447 10-12

NARROW LINE PARAMAGNETIC RESONANCE ABSORPTION SPECTRUM IN IRRADIATED CALCITE SINGLE CRYSTALS
ARF-A1216-7 N63-14831 11-25

DISLOCATION DAMPING, INTERNAL FRICTION, CREEP, FATIGUE AND FRACTURE OF SILICON, SILICON CARBIDE AND ZINC OXIDE SINGLE CRYSTALS - DEFORMATION STUDY
ASD-TDR-62-431 N63-14848 11-18

ULTRASONIC METHOD FOR CERAMIC COATING EVALUATION, NONDESTRUCTIVE TESTING
WADD-TR-61-91, PT. II N63-14877 11-19

MICROWAVE GAS BREAKDOWN WITH EMPHASIS ON NANOSECOND PULSE BREAKDOWN - PLASMA CONDUCTIVITY EFFECT ON ELECTROMAGNETIC PROPAGATION, RADAR
RADC-TDR-62-616 N63-15095 11-24

MECHANISM OF STRESS CORROSION IN STAINLESS STEELS, CRACKING AND FAILURE STUDY
ARF-2181-12 N63-15179 11-18

DEVELOPMENT OF TUNGSTEN-SILVER ALLOYS FOR ROCKET NOZZLES - SINTERING TECHNIQUES AND IMPREGNATION WITH SILVER-LITHIUM ALLOYS
WAL-TR-372/32-5, T-3 N63-15199 11-18

RADIATIVE ENERGY TRANSFER ON ENTRY INTO MARS AND VENUS - EMISSIVITY OF CARBON DIOXIDE AT HIGH TEMPERATURE
ARF-A200-4 N63-15321 12-29

PLASTIC DEFORMATION THEORY FOR CEMENTED ALLOYS - MATERIALS FOR TUNGSTEN FIBER ROCKET NOZZLE MATRIX, COPPER-NICKEL, SILICON, ALUMINUM & TITANIUM N63-15411 12-18

GLASS FIBER STRENGTH ENHANCEMENT BY BUNDLE DRAWING
K-213 N63-15438 12-33

STRESS CORROSION CRACKING OF TITANIUM ALLOY AT ROOM AND ELEVATED TEMPERATURE
ASD-TR-61-713 N63-15494 12-18

CHEMICAL ANALYSIS OF CHEMICAL REACTIONS OF OXYGEN-FLUORINE COMPOUNDS
ARF-3227-3 N63-15499 12-07

SMALL SOIL STRAIN GAUGE
AFSWC-TDR-63-3 N63-15567 12-15

ANALYSIS OF FLUID DYNAMIC MODEL FOR OBTAINING TIME DEPENDENT THEORY FOR EROSIVE BURNING OF SOLID PROPELLANTS - COMBUSTION INSTABILITY N63-15591 12-26

ALPHA PHASE PRECIPITATE OF HEAT-TREATED B120 VCA TITANIUM ALLOY DURING MELTING
ASD-TDR-62-534 N63-16045 13-18

COMPOUND SLEEVE ASSEMBLIES FOR SUPPORT OF CERAMIC, CERAMIC-COATED METAL, AND METAL EXTRUSION LINERS
ARF-2244-6 N63-16046 13-34

CONTAINER-SLEEVE-LINER ASSEMBLY FOR ADEQUATE SUPPORT FOR CERAMIC, CERAMIC COATED METAL OR METAL LINERS - EXTRUSION BILLET TYPE
ARF-2244-3 N63-16047 13-34

ROLE OF INTERNAL ENERGY TRANSFER PROCESSES IN RADIATION CHEMICAL REACTIONS INVOLVING FREE RADICALS AND INTERMEDIATE SPECIES
ASD-TDR-62-540 N63-16102 13-07

DIELECTRIC, SPECTROSCOPIC, AND PHOTOCONDUCTIVE PROPERTIES OF ORGANIC COMPOUNDS FOR SEMICONDUCTORS
ARF-3142-12 N63-16112 13-25

PLASTIC DEFORMATION OF CEMENTED ALLOYS - ZONE SWEEPING OF CEMENTED TUNGSTEN ALLOYS
ARF-2182-24 N63-16192 13-18

KINETICS OF STRESS CORROSION FOR VARIOUS STRUCTURAL ALLOYS AT ROOM AND ELEVATED TEMPERATURES - MICROSTRUCTURE EFFECTS
ASD-TR-61-713, PT. II N63-16690 14-33

FAILURE MECHANISMS - EFFECTS OF TIME AND TEMPERATURE ON RESISTANCE TO FAILURE N63-16871 14-17

FAILURE PHYSICS AND RELIABILITY ENGINEERING - USE OF COMPUTERS AND ANALYTICAL MODELS IN COMPONENT TESTING N63-16872 14-17

ULTRASONIC METHOD OF NONDESTRUCTIVE TESTING OF CERAMIC COATINGS AND CERAMIC-METAL BONDINGS
WADD-TR-61-91, PT. III N63-17117 15-17

MILD STEEL FIBER REINFORCED LEAD-TIN ALLOYS FOR PRODUCTION OF SOLDERING TAPE AND STRUCTURAL BEARINGS
ARF-B765-28 N63-17131 15-18

MATERIALS FOR TRANSMISSION OF DEFLECTIONS UNDER RADIANT HEATING AND MECHANICAL LOADING TO TRANSDUCERS
ASD-TDR-62-834 N63-17883 16-33

FILM THICKNESS EFFECT ON SPUTTERING RATIO OF METAL FILMS - ELECTRON BOMBARDMENT OF SILICA
NASA-CR-50531 N63-18414 17-28

PHASE DIAGRAM RELATIONSHIPS FOR TITANIUM-ZIRCONIUM-OXYGEN SYSTEM
ARL-63-104 N63-18794 18-18

PULLING ACCELERATION SYSTEM - BAKEABLE VALVE FOR ULTRAHIGH VACUUM

ARF-A218-12 N63-18882 18-21

PERSONNEL SHIELDING AGAINST CHARGED PARTICLES IN SPACE USING ELECTRIC OR MAGNETIC FIELDS - ELECTROSTATIC SHIELDING
ASD-TDR-63-194 N63-18993 18-16

TITANIUM, ALUMINUM & NIOBIUM AS LIGHTWEIGHT ALLOYS FOR HIGH TEMPERATURE USE - TENSILE & STRESS-RUPTURE TESTS
ARF-B201-27 N63-19063 18-18

DIFFUSION PUMP OILS IN CRYO-BAFFLED SYSTEMS - BACKSTREAMING ANALYSIS
AEDC-TDR-63-174 N63-19424 19-11

HIGH-TEMPERATURE OXIDATION PROTECTIVE COATINGS FOR VANADIUM ALLOYS
ARF-B6001-4 N63-19666 19-17

STABLE PIGMENTS FOR LONG-RANGE SATELLITE COATINGS
NASA-CR-50814 N63-19854 19-17

EMBRITTLEMENT & CORROSION OF ALUMINUM ALLOYS IN PRESENCE OF MERCURY & CESIUM
ARF-R3501-B4T N63-20372 20-18

PHOTOELASTICITY & MOIRE METHODS USED TO STUDY DYNAMIC, THREE-DIMENSIONAL STRESS DISTRIBUTIONS
AFSWC-TDR-63-48 N63-20667 20-33

PHOTON COUNTERS FOR THE ULTRAVIOLET AND VACUUM ULTRAVIOLET RADIATION SPECTRUM
N63-20860 21-23

PERTURBATION SOLUTIONS FOR NONLINEAR PLANE WAVE - DIFFERENTIAL ACOUSTICAL EQUATIONS
AMRL-TDR-63-63 N63-21304 21-23

SOLUTIONS OF NONLINEAR ACOUSTICAL PLANE WAVE EQUATIONS BY FUNCTIONAL INTERRELATIONSHIPS OF DEPENDENT VARIABLES METHOD
AMRL-TDR-63-64 N63-21333 21-23

LINERS FOR EXTRUSION OF BILLETS IN HIGH TEMPERATURE RANGE
ASD-TDR-7-945/III/ N63-21702 22-19

FUNDAMENTALS OF NONLINEAR ACOUSTICS
AMRL-TDR-63-62 N63-21817 22-23

LIFE IN EXTRATERRESTRIAL ENVIRONMENTS - SIMULATION OF MARTIAN ENVIRONMENT AND SURVIVAL OF MICROORGANISMS
NASA-CR-50883 N63-21997 22-16

ALUMINA CONDENSED FURFURYL ALCOHOL RESINS AS BINDERS FOR GRAPHITE MATERIALS
WADD-TR-61-72,V. XV N63-22125 22-19

ARMY AVIATION BOARD, FORT RUCKER, ALA.
VISUAL PROBLEMS OF BATTLEFIELD INFORMATION COLLECTION FROM LOW FLYING AERIAL SURVEILLANCE AIRCRAFT
N63-19257 18-04

ARMY BOARD FOR AVIATION ACCIDENT RESEARCH, FORT RUCKER, ALA.
PILOT FACTORS IN ARMY FIXED WING AIRCRAFT ACCIDENTS
HF-1-62 N63-18878 18-14

PILOT FACTORS IN ARMY HELICOPTER ACCIDENTS BASED ON 1467 ACCIDENTS, 1957-1961
HF-2-62 N63-18879 18-14

ARMY CHEMICAL CENTER, EDGEWOOD, MD.
POLYMERS, PLASTICS, SYNTHETIC FIBERS - LITERATURE REVIEW
CDRL-SP-4-34 N63-10073 01-19

REVIEW OF POLYMER AND PLASTIC MATERIALS
CRDL-SP-5-1 N63-10436 01-19

FUMING NITRIC ACID SERVICING SEMI-TRAILER
SSD-TDR-62-174 N63-11022 03-26

MODIFIED TYPE A-1B SERVICING TRAILER FOR HYDRAZINE AND UNSYMMETRICAL DIMETHYL HYDRAZINE
SSD-TDR-62-176 N63-11133 03-26

TESTS TO DETERMINE FEASIBILITY OF USING WATER FOG OR THERMAL UPDRAFT TO CONTROL OR DISPERSE FUMES FROM SPILLED NITROGEN TETROXIDE
SSD-TDR-62-177 N63-11134 03-26

EXPOSURE INHALATION TOXICITY OF PENTABORANE IN DOGS
AMRL-TDR-62-145 N63-12466 06-16

HANDLING AND STORAGE OF NITROGEN TETROXIDE PROPELLANT
RTD-TDR-63-1033 N63-15735 12-26

ARMY CHEMICAL CORPS, FT. DETRICK, MD.
MICROBIAL CONTAMINATION OF EXPOSED SURFACES DUE TO HANDLING OR AIR CURRENTS
NASA-CR-50843 N63-19962 19-16

ARMY COLD REGIONS RESEARCH AND ENGINEERING LAB., HANOVER, N.H.
PHYSICAL AND STRUCTURAL STUDIES OF SNOW, ICE, AND FROZEN GROUND RELATED TO POLAR CLIMATOLOGY
N63-14095 09-21

MECHANICAL PROPERTIES OF SNOW, ICE, AND FROZEN GROUND
N63-16207 13-21

PHYSICAL AND MECHANICAL PROPERTIES OF SNOW, ICE, FROZEN GROUND - POLAR METEOROLOGY
N63-17757 16-12

SNOW STABILIZATION FOR ROADS AND RUNWAYS
N63-22179 23-10

EFFECTIVE THERMOCONDUCTIVITY OF VENTILATED SNOW
N63-22398 23-13

OVERSNOW TRANSPORT IN TRACKED, WHEELED AND SKI VEHICLES - SNOW SINKAGE AND MOTION RESISTANCE, TRAIL MARKING, AND CREVASSE CROSSING
CRREL-III-A4 N63-22639 23-10

ARMY CORPS OF ENGINEERS, JACKSONVILLE, FLA.
MISSILE LAUNCHING FACILITIES AT CAPE CANAVERAL
N63-16577 14-34

ARMY CORPS OF ENGINEERS, WASHINGTON, D.C.
ENGINEERING AND DESIGN - STORAGE, DISTRIBUTION, AND DISPENSING OF AIRCRAFT AND VEHICULAR FUELS
EM-1110-345-332 N63-14311 10-26

ARMY DEPT., WASHINGTON, D.C.
ARMY IMPACT STUDIES - HUMAN TOLERANCE, ACCELERATION STRESS, AIRCRAFT ACCIDENTS, AVIATION MEDICINE
N63-12846 07-16

NUCLEAR POWER REACTORS FOR UNDERGROUND INSTALLATIONS REQUIRING LONG TERM CLOSED OR ISOLATED OPERATION
EM-1110-345-950 N63-16574 14-10

MILITARY INTELLIGENCE AND COMBAT SURVEILLANCE - VISUAL PERCEPTION
N63-19253 18-01

HUMAN PSYCHOLOGICAL FACTORS IN IMAGE INTERPRETATION - PHOTOGRAPHIC IMAGES - VISUAL PERCEPTION PROBLEM
N63-19256 18-14

ARMY ELECTRONICS RESEARCH AND DEVELOPMENT ACTIVITY, FORT HUACHUCA, ARIZ.
COMPUTER PROGRAM FOR NONSTEADY SOIL MOISTURE TRANSFER - METEOROLOGY
ERDAH-MET-2-63 N63-11626 04-21

CROSS WIND EFFECT ON SOUND PROPAGATION FROM TWO HIGH ALTITUDE EXPLOSIONS - ACOUSTICS RESEARCH
ERDA-27 N63-18850 18-21

ARMY ELECTRONICS RESEARCH AND DEVELOPMENT ACTIVITY, WHITE SANDS MISSILE RANGE, N. MEX.
MINIATURE ELECTROSTATIC VIDICON CAMERA
SELWS-E-104 N63-10208 01-15

ERRORS ASSOCIATED WITH ACOUSTICAL WIND MEASUREMENT THROUGH A LAYER
SELWS-M-12 N63-10541 01-21

AUTOMATIC ROCKET IMPACT PREDICTOR
SELWS-M-14 N63-10633 02-15

WIND SHEAR IN THE JETSTREAM
SELWS-M-13 N63-10634 02-21

METEOROLOGICAL DATA FROM AEROBEE AC 3.353 ROCKET
SELWS-M-15 N63-10888 02-21

WHITE SANDS MISSILE RANGE CLIMATOGRAPHY
SELWS-M-16 N63-11603 04-21

METEOROLOGICAL DATA - AEROBEE ROCKET AC 3.138
SELWS-M-17 N63-11604 04-21

WIND VARIABILITY AND ITS EFFECT ON ROCKET IMPACT PREDICTION
SELWS-M-21 N63-12303 05-21

METEOROLOGICAL AND BALLISTIC DATA FOR NIKE APACHE SR-006
ERDA-8 N63-14484 10-21

METEOROLOGICAL DATA FOR LAUNCHING NIKE-APACHE SR-007 ROCKET - AIR, WIND, IMPACT PREDICTION - BALLISTIC FACTOR - ROCKET PERFORMANCE
ERDA-9 N63-15071 11-04

WHITE SANDS MISSILE RANGE CLIMATE CALENDAR
ERDA-20 N63-15949 13-10

WIND TUNNEL INSTRUMENTATION - MEASURING EQUIPMENT CALIBRATIONS AT WHITE SANDS MISSILE RANGE
ERDA-24 N63-17234 15-10

METEOROLOGICAL DATA - NIKE-APACHE SR-008
ERDA-29 N63-17527 16-21

METEOROLOGICAL DATA FOR LAUNCHING OF AEROBEE NE 3.140 NRL-73 ROCKET IN NEW MEXICO - BALLISTICS CALCULATION
ERDA-33 N63-18154 16-21

METEOROLOGICAL DATA FOR LAUNCHING NIKE-APACHE SR-012 & SR-013 IN NEW MEXICO - BALLISTIC CALCULATIONS
ERDA-38 N63-18156 16-21

METEOROLOGICAL DATA FOR LAUNCHING OF AEROBEE NB 3.130 NRL-77 ROCKET IN NEW MEXICO - BALLISTICS
ERDA-39 N63-18157 16-21

METEOROLOGICAL DATA GATHERED FOR THE LAUNCHING OF AEROBEE AC 3.149
ERDA-30 N63-18279 17-21

METEOROLOGICAL DATA GATHERED FOR THE LAUNCHING OF AEROBEE AC 3.371
ERDA-32 N63-18280 17-21

METEOROLOGICAL DATA GATHERED FOR THE LAUNCHING OF AEROBEE NC 3.134
ERDA-35 N63-18281 17-21

METEOROLOGICAL DATA GATHERED FOR THE LAUNCHING OF NIKE-APACHE ROCKET, WHITE SANDS, NEW MEXICO
ERDA-36 N63-18282 17-21

METEOROLOGICAL DATA GATHERED FOR THE LAUNCHING OF AEROBEE AC 3.510
ERDA-40 N63-18336 17-21

METEOROLOGICAL DATA GATHERED FOR THE LAUNCHING OF AEROBEE AS 1.310 AND AS 1.311
ERDA-31 N63-18687 17-21

METEOROLOGICAL AND BALLISTIC DATA FOR LAUNCHING OF AEROBEE KP 3.1 ROCKET N63-18851 18-21

METEOROLOGICAL DATA FOR LAUNCHING OF AEROBEE NE 3.140R
ERDA-44 N63-18895 18-21

METEOROLOGICAL DATA FOR LAUNCHING OF AEROBEE AC 3.372 ROCKET IN NEW MEXICO
ERDA-34 N63-18903 18-21

UPPER AIR WIND PROFILE FOR SOUTHWESTERN UNITED STATES
ERDA-45 N63-19009 18-21

METEOROLOGICAL DATA FOR NIKE-APACHE SR-014 ROCKET LAUNCHING - IMPACT PREDICTION & BALLISTIC DATA
ERDA-47 N63-19121 18-21

REAL TIME METEOROLOGICAL SYSTEM FOR PRELAUNCH PREDICTION OF UNGUIDED ROCKET IMPACT - BALLISTIC AND MOTION EQUATIONS
ERDA-55 N63-19892 19-30

WIND MEASUREMENT FOR AEROBEE BALLISTIC TRAJECTORY STUDIES
ERDA-48 N63-20027 19-21

WIND MEASUREMENT FOR AEROBEE BALLISTIC TRAJECTORY STUDIES
ERDA-49 N63-20028 19-21

STRATOSPHERIC WIND CIRCULATION & THERMAL STRUCTURE
ERDA-62 N63-20468 20-12

ATMOSPHERIC ACOUSTIC STRUCTURE OF SUBPOLAR NORTHERN HEMISPHERE LATITUDES - SEASONAL VARIATION
ERDA-63 N63-20469 20-12

METEOROLOGICAL FLIGHT AND DATA ACQUISITION OF AEROBEE KP-3.2 ROCKET
ERDA-61 N63-21208 21-21

MISSILE RANGE AN/FPS-16 RADAR PERFORMANCE IN TRACKING PROJECT MERCURY CAPSULE
SELWS-E-101 N63-21465 22-08

METEOROLOGICAL ROCKET FIRING DATA SHEETS - TEMPERATURE & WIND SENSOR INSTRUMENTATION SYSTEMS
IRIG-MWG-19-63 N63-21473 22-21

METEOROLOGICAL DATA FOR LAUNCHING OF AEROBEE ROCKET
ERDA-51 N63-22720 23-21

METEOROLOGICAL DATA REPORT FOR AEROBEE AC-3.354 LAUNCHING - BALLISTIC TRAJECTORY
ERDA-52 N63-22721 23-21

ROCKETSONDE WIND AND TEMPERATURE MEASUREMENTS BETWEEN 30 & 70-KM FOR SELECTED STATIONS
ERDA-70 N63-22783 23-21

METEOROLOGICAL DATA FOR NIKE-APACHE SR-015 ROCKET
ERDA-72 N63-23430 24-21

PROBABILITY LIMITS FOR ATMOSPHERIC TEMPERATURES, SCALAR WIND SPEED, AND VECTOR WIND SHEAR ABOVE 30-KM
ERDA-75 N63-23560 24-21

CIRCULATION DISTURBANCES IN MESOSPHERE ASSOCIATED WITH SUDDEN WARMING OF 1963 METEOROLOGICAL ROCKET NETWORK
ERDA-76 N63-23566 24-09

ARMY ELECTRONICS RESEARCH AND DEVELOPMENT LAB., FORT MONMOUTH, N.J.

MAGNETIC FIELDS ON GAS DISCHARGE LASER
USAELRDL-TR-2322 N63-17908 16-23

ELECTROSTATIC FIELD OF A LIGHTNING STROKE
USAELRDL-TR-2321 N63-18074 16-21

EFFECT OF TRANSIENT NUCLEAR RADIATION ON CABLES
USAERADL-TR-2292 N63-18999 18-09

NOISE SIGNAL AND CARRIER MODULATION IN ELECTRICAL CABLES DURING NUCLEAR PULSE IRRADIATION
USAELRDL-TR-2334 N63-19331 18-08

EFFECT OF PULSED NUCLEAR RADIATION ON QUARTZ CRYSTAL FREQUENCY CONTROL
USAELRDL-TR-2320 N63-20672 20-25

PULSED NUCLEAR RADIATION EFFECTS ON ELECTRONIC APPARATUS
USAELRDL-TN-2306 N63-22670 23-23

ARMY ENGINEER RESEARCH AND DEVELOPMENT LABS., FORT BELVOIR, VA.

IMPACT DEVICE FOR MEASURING RESPONSE OF HIGH STRENGTH MATERIALS TO DYNAMIC LOADS - STRUCTURAL DYNAMICS N63-16625 14-33

ARMY ENGINEER WATERWAYS EXPERIMENT STATION, VICKSBURG, MISS.
CRATERS FORMED BY SMALL EXPLOSIONS IN DRY SAND
CE/WES-MP-2-524 N63-16383 14-23

CAPABILITIES FOR RESOLUTION OF HYDRAULIC PROBLEMS THROUGH MODEL STUDIES N63-20445 20-11

HYDRAULIC POWERPLANT SYSTEM ANALYSIS N63-20446 20-11

EARTHWORK ENGINEERING CAPABILITIES - SOIL MECHANICS & GEOLOGIC STUDIES N63-20447 20-12

SOIL STABILIZATION CAPABILITIES FOR MILITARY PURPOSES N63-20448 20-12

CAPABILITIES IN SOIL DYNAMICS RESEARCH - FIELD TESTS, LABORATORY TESTS, SITE INVESTIGATIONS, & DESIGN AND ANALYTICAL STUDIES N63-20449 20-12

CAPABILITIES FOR EVALUATING ENVIRONMENTAL EFFECTS ON MILITARY OPERATIONS - TERRAIN ANALYSIS AND GEOGRAPHIC AREA EVALUATION N63-20450 20-12

SURFACE VEHICLE MOBILITY & TRAFFICABILITY RESEARCH N63-20451 20-12

FLEXIBLE AND PREFABRICATED PAVEMENT DESIGN CAPABILITIES N63-20452 20-10

SURFACE BLAST EFFECTS RESEARCH N63-20453 20-10

CONCRETE MATERIALS - METHODS OF ANALYSIS N63-20454 20-19

NUCLEAR WEAPONS EFFECT RESEARCH N63-20455 20-10

INSTRUMENTATION CAPABILITIES N63-20456 20-10

ORGANIZATION OF WATERWAYS FACILITY - HYDRAULICS, CONCRETE, & SOILS RESEARCH N63-20716 21-10

ARMY MAP SERVICE, WASHINGTON, D.C.
RANGE ERRORS OF HEIGHTS & INCLINATIONS AND COORDINATES OF POINTS ON GEODETIC DATA USING SATELLITE TRACKING N63-12283 05-08

OCCULTATION EQUATIONS FOR GEODETIC SURVEYING AND ERROR ANALYSIS
AMS-TR-46 N63-18152 16-12

ARMY MATERIAL COMMAND, WASHINGTON, D.C.
ARMY MATERIEL COMMAND AND OTHER DEPARTMENTS RESPONSIBLE FOR ARMY OPERATION MATERIAL TESTING FOR NATIONAL DEFENSE N63-20364 20-04

ARMY MATERIALS RESEARCH AGENCY, WATERTOWN, MASS.
BUCKLING STABILITY OF TORISPHERICAL SHELLS UNDER UNIFORM INTERNAL PRESSURE
AMRA-TR-63-06 N63-20376 20-33

LOW TEMPERATURE TENSILE & NOTCH PROPERTIES, STRESS AND STRAIN DISTRIBUTIONS, & WELDING TESTS OF AUSTENITIC STAINLESS STEELS
ARMA-TR-63-08 N63-20624 20-18

GROUND STATE CALCULATIONS EXTENDED TO X-RAY SCATTERING FACTOR AND TRIPLET STATE OF HELIUM BY SCHWARTZ METHOD
AMRA-TR-63-01 N63-21783 22-23

CONTRIBUTION OF THERMAL DIFFUSE SCATTERING TO INTEGRATED BRAGG REFLECTIONS FROM PERFECT CRYSTALS
AMRA-TR-63-03 N63-21789 22-25

POWDER X-RAY DIFFRACTION INTENSITY - EFFECT OF GRANULARITY ON ABSORPTION COEFFICIENT
AMRA-TR-63-02 N63-21795 22-19

POLARIZABILITY INDUCED IN ELECTRONIC DISTRIBUTIONS BY VALENCE ELECTRONS & CRYSTALLINE FIELDS - EFFECT ON HYPERFINE STRUCTURE
AMRA-TR-63-05 N63-21796 22-09

ORIGIN OF TERRESTRIAL MAGNETISM - EARTH CORE CONSIDERED IN HIGH PRESSURE PHASE OF IRON RESULTING IN FERROMAGNETISM
MRL-131 N63-21809 22-12

EXTENSION OF TWO ELECTRONIC CONFIGURATIONS OF IRON ATOMS IN FACE-CENTERED CUBIC LATTICE TO IRON-NICKEL ALLOY - INVAR EFFECT
MRL-133 N63-21810 22-23

HYDRODYNAMIC LOADING TEST SYSTEM AND ANALYTICAL EQUATIONS
AMRA-TR-63-12 N63-22847 23-11

HYDRODYNAMIC SYSTEM FOR STRAINING MECHANICAL TEST SPECIMENS
AMRA-TR-63-21 N63-22922 23-33

ARMY MEDICAL RESEARCH AND NUTRITION LAB., DENVER, COLO.
NUTRIENT CONTENT OF VARIOUS ALGAE AND ITS ADEQUACY TO SUPPORT GROWTH IN RATS AND CHICKS - AMINO ACIDS N63-11488 03-16

ARMY MEDICAL RESEARCH LAB., FORT KNOX, KY.
APPARENT FRONTOPARALLEL PLANE, STEREOSCOPIC CORRESPONDENCE AND INDUCED CYCLOROTATION OF EYES - VISUAL PERCEPTION PROBLEM
USAMRL-472 N63-19245 18-14

ARMY MISSILE COMMAND, HUNTSVILLE, ALA.
ADVANCED ELECTRONIC PACKAGING TECHNIQUES
AMC-RG-TR-62-4 N63-10217 01-09

EFFECT OF FINS ON STABILITY OF BODIES OF REVOLUTION WITH TANGENT OGIVES AT SMALL ANGLES OF ATTACK, MACH 0 TO 3.5
AOMC-RF-TR-62-1, REV. N63-10715 02-02

ELECTROEXPLOSIVE DEVICES - SAFETY
AMC-RK-TR-62-10 N63-10748 02-17

MECHANICAL PROPERTIES OF STRUCTURAL MATERIALS UNDER GENERAL STRESS AND RAPID HEATING
AMC-RR-TR-62-5 N63-11435 03-33

COMMUNICATION THROUGH AN ARTIFICIALLY IONIZED EARTH ATMOSPHERE
AMC-RR-TR-62-10 N63-11750 04-08

ALKALI EARTH METAL IONS - OSCILLATOR STRENGTHS AND TRANSITION PROBABILITIES
AMC-RR-TR-62-8 N63-11867 04-23

USE OF ENCODERS IN MISSILE AZIMUTH ALIGNMENT SYSTEMS
RG-TR-62-8 N63-12371 06-22

RADIO FREQUENCY ENERGY FIRINGS ON BRIDGEWIRE SQUIBS FOR MISSILE RADAR SYSTEMS
RK-TR-63-1 N63-12956 07-26

SERVOMECHANISMS - SAMPLED DATA SYSTEM STIMULATION AND VERIFICATION
RG-TR-63-5 N63-12957 07-09

REDUCTION OR ELIMINATION OF AIR CONDITIONING IN PERSHING GUIDANCE AND CONTROL COMPARTMENT
RG-TR-63-4 N63-12997 07-22

CIRCUITS AND LOGIC FOR DESIGN OF DIGITAL DIFFERENTIAL ANALYZER FOR TESTING MEMORY DEVICES
RG-TR-63-8 N63-13039 07-20

CALCULATION OF TORQUE REQUIRED TO SPIN A MISSILE TO A PRESCRIBED ROTATIONAL VELOCITY
RS-TR-62-6 N63-13040 07-30

CALCULATING FOURIER TRANSFORMS OF WAVEFORMS
RE-TR-63-1 N63-13154 07-08

ANALOG SIMULATION OF INERTIAL REFERENCE SERVO LOOP WITH DIGITAL GYRO PICKOFF
RG-TR-63-7 N63-13155 07-22

MISSILE ATTITUDE DETERMINATION USING MAGNETOMETERS WITH SUN AND EARTH SENSORS
RG-TR-62-5 N63-13230 07-15

ELECTRICAL AND FIRE CONTROL SYSTEMS OF XM-3

ROCKET WEAPON SYSTEM FOR UH-1B HELICOPTER
RG-TR-62-6 N63-13411 08-04

REDESIGN OF FRONT-SHOE OF LITTLE JOHN MISSILE BASED ON FLIGHT TEST DATA
RS-TR-62-9 N63-13412 08-04

ANALYSIS OF AIR SUPPORTED PENDULOUS NORTH SEEKING GYRO GIVEN THREE-DIMENSIONAL EQUATION OF MOTION
RG-TR-63-1 N63-13413 08-15

EQUATIONS AND FORTRAN PROGRAM FOR VISCOUS COMPONENTS OF FORCE AND PITCHING-MOMENT COEFFICIENTS FOR BODY OF REVOLUTION
RF-TR-62-12 N63-13626 08-20

EXAMINATION OF PARAMETERS BETWEEN REDSTONE ARSENAL AND WHITE SANDS RANGE FOR OPERATING FREQUENCY IN L-BAND
RE-TR-63-2 N63-14088 09-08

OXYGEN-WATER VAPOR MIXTURES UNDER RF EXCITATION BY ELECTRON-PARAMAGNETIC RESONANCE TECHNIQUES
AOMC-RR-TR-62-3 N63-14516 10-07

HIGH-DIELECTRIC CONSTANT MATERIALS - HIGH TEMPERATURE DIELECTRICS, MAGNETIC SPECTROSCOPY, CRYSTAL PHYSICS & MAGNETICS N63-14628 10-23

EXCITED STATE-LATTICE INTERACTION OF F-CENTER - OPTICAL EXCITATION STUDY
RR-TR-63-1 N63-14645 10-25

ALLOY STRUCTURES FOR HEAT EXCHANGER MATERIAL OF LIQUID PROPELLANT THRUST CHAMBERS
RR-TR-62-7 N63-15400 12-27

PARAMETRIC DESIGN CURVES FOR SHORT RANGE BALLISTIC MISSILES - WEAPON SYSTEMS
RF-TR-63-7 N63-15698 12-04

WIND TURBULENCE EFFECT CONCERNING ATMOSPHERIC BALLISTICS - WIND SHEAR, DIRECTION, VELOCITY, AND PROFILES
RR-TR-63-7 N63-15719 12-21

CORRECTIONS FOR VARIABLE ABSORPTION OF SOFT X-RAYS BY MYLAR - EMPIRICAL METHOD - FLUORESCENCE ANALYSIS
RK-TR-63-7 N63-16168 13-23

EVALUATION OF USE OF METAL SPHERES AS TARGETS FOR GUIDED MISSILE RADAR SYSTEMS
RE-TR-62-6 N63-16448 14-08

PROPAGATION OF SHOCK WAVES INDUCED BY UNDERGROUND EXPLOSIONS - EFFECTS OF SOIL PROPERTIES - STRUCTURAL DYNAMICS N63-16607 14-11

DYNAMIC LOAD FACTOR FOR MISSILE STRUCTURE DESIGN - MASS-SPRING MATHEMATICAL MODEL USING THRUST AS FORCING FUNCTION - STRUCTURAL DYNAMICS N63-16626 14-34

TELEMETRY CAPACITY OPTIMIZATION - DATA BANDWIDTH REDUCTION AND TRANSMITTER BANDWIDTH UTILIZATION
RG-TR-62-3 N63-16843 14-08

HUMAN ERROR IN RELIABILITY TESTING OF MISSILE SYSTEMS N63-17275 15-14

STATIC STABILITY CHARACTERISTICS OF SEVERAL CONE-CYLINDER/FLARE-CYLINDER CONFIGURATIONS
RF-TR-63-14 N63-17592 16-02

DIFFERENCE BETWEEN MISSILE LAUNCH TIMES AND SENSOR SENSITIVITY TO SUNLIGHT
AMC-RG-TR-63-12 N63-18029 16-04

HAWK ROCKET ENGINE - EFFECTS OF USING DESICCATOR-WEATHER SEAL FOR DRYING POLYURETHANE SOLID PROPELLANT
RK-TR-63-15 N63-19000 18-27

MECHANICAL TREATMENT AND ROTOKINETIC EFFECT OF SURFACE TENSION OF GLYCOL
RSIC-22 N63-19315 18-11

ROTOKINETIC EFFECT ON SURFACE TENSION OF BENZENE AND WATER AT LOW, ATMOSPHERIC, AND ELEVATED TEMPERATURES
RSIC-21 N63-19316 18-0

ROTATION OF LIQUIDS AND ITS INFLUENCE ON SURFACE FILM LAYER
RSIC-20 N63-19359 18-1

ISOTHERMS OF HYDROGEN AT DENSITIES AND TEMPERATURE NEAR CRITICAL POINT
RSIC-23 N63-19362 18-2

OZONE THICKNESS AND PHENOMENA IN UPPER TROPOSPHERE
RSIC-24 N63-19393 18-1

DENSITY CURVE AND LINEAR DIAMETER OF HYDROGEN
RSIC-19 N63-19394 18-22

HOT GAS JET REACTION VALVE USING BOUNDARY LAYER TECHNIQUES TO CONTROL HIGH PRESSURE, HIGH TEMPERATURE GAS STREAM
RE-TR-62-9 N63-19598 19-11

WIND AND RAIN PROFILES FOR WEATHER STATION AT AIKAWA, JAPAN
RSIC-36 N63-19707 19-22

RADIO DUCT /ABNORMAL MICROWAVE TRANSMISSION/ ON AN WEATHER RADAR PLAN POSITION INDICATOR /PPI/
RSIC-38 N63-19721 19-22

TIME LAG OF DINES PRESSURE-TUBE ANEMOMETER
RSIC-34 N63-19725 19-22

THIRD SATELLITE OF 61 CYGNUS
RSIC-35 N63-19731 19-0

ATMOSPHERIC ENVIRONMENT FOR FLIGHT OF PERSHING MISSILE-351
RR-TR-63-2 N63-19748 19-23

AIR TEMPERATURE MEASUREMENT - THERMODYNAMIC DETERMINATIONS
RSIC-31 N63-19755 19-2

SYNOPTIC STUDY OF MESOSCALE INSTABILITY LINES ASSOCIATED WITH SEVERE LOCAL STORMS
RSIC-37 N63-19756 19-2

DIURNAL VARIATIONS IN ATMOSPHERIC PRESSURE & CHANGES IN AIR TEMPERATURE
RSIC-39 N63-19796 19-2

ISOTHERMS DETERMINATIONS OF HYDROGEN AND HELIUM A LOW TEMPERATURE TO EXAMINE WHETHER COMPRESSIBILIT OF THESE GASES IS INFLUENCED BY QUANTA
RSIC-33 N63-19816 19-1

MATHEMATICAL ANALYSIS OF MOTION EQUATIONS FOR MOMENTS AND MOMENTS OF MOMENTUM FOR SIX DEGREES O FREEDOM OF RIGID BODY
RS-TR-62-4 N63-19850 19-21

MATERIAL EVALUATION FOR LITTLEJOHN FRONT SHOE RELEASE PIN
RS-TR-63-8 N63-19877 19-34

THERMAL RESISTANCE OF CONTACT SURFACES IN HEAT FLOW AND COOLING
RSIC-29 N63-19896 19-13

TERNARY SYSTEM OF ALUMINUM-MAGNESIUM-LITHIUM - PHASE DIAGRAMS OF CROSS-SECTIONS
RSIC-32 N63-20266 20-18

SPECTROMETRY OF ELECTRON INTERFERENCE - EVALUATION AND COMPARISON OF SPECTROGRAM TO THEORY
RSIC-43 N63-20422 20-23

SPECTROMETRY OF ELECTRON INTERFERENCE - ELECTRON OPTICAL PATTERNS FOR VELOCITY ANALYSIS
RSIC-42 N63-20423 20-23

DECAY OF URANIUM 235 FISSION PRODUCTS
AMC-RR-TR-63-11 N63-20463 20-23

THERMODYNAMICS AND HEAT CAPACITY OF POLYMER GLASSES
RSIC-47 N63-20593 20-19

COMBUSTION PROCESS IN EXPLODING GAS MIXTURES
RSIC-27 N63-20650 20-26

ATMOSPHERE & SURFACE OF MARS - NATURE & CHEMICAL COMPOSITION
RSIC-44 N63-20654 20-29

P-ANALYTIC FUNCTION IN AXIAL SYMMETRY THEORY OF ELASTICITY
RSIC-45 N63-20666 20-33

IN-FLIGHT DEFLECTION OF EC-121K AIRCRAFT AT VARIOUS SPEEDS & ALTITUDES
RS-TM-63-1 N63-20682 20-04

RECOMMENDATIONS BY HUMAN FACTORS ENGINEERING EVALUATORS DURING DEVELOPMENT OF ARMY MISSILE SYSTEMS
RC-S-63-1 N63-20789 21-17

SERVO-ANALYSIS OF INERTIAL PLATFORM
RG-TR-63-3 N63-20790 21-03

DESIGN AND MANUFACTURE OF LOW COST STABILITY SENSING GYROSCOPE
RG-TR-63-22 N63-21160 21-15

COMPRESSIBILITY OF HYDROGEN AND GASEOUS HELIUM NEAR BOILING POINT OF HYDROGEN - SECOND VIRIAL CONSTANT
RSIC-30 N63-21203 21-19

VISCOSITY AND FLOW CHARACTERISTICS OF POLYMERS WITH DISPERSE FILLERS
RSIC-51 N63-21228 21-19

EQUATION OF STATE - COMPRESSIBILITY EQUATION VALID FOR LIQUIDS
RSIC-50 N63-21232 21-11

INTEGRATION CONSTANT OF THERMODYNAMIC FORMULA FOR CHEMICAL EQUILIBRIUM FOUND BY ASSUMPTION OF FINITE ZERO POINT ENTROPY IN SOLID STATE AGGREGATION
RSIC-28 N63-21427 22-11

IMPROVING CONTRAST OF MILITARY TARGET FOR APPLICATION OF TELEVISION GUIDANCE SCHEME - VIDICON SENSOR
RE-TR-63-3 N63-21445 22-22

RADIATION DAMAGE BY COMPTON SCATTERING IN GAMMA OR X-RAY PUMPED LASERS
RR-TN-63-2 N63-21469 22-25

PARAMETRIC PERFORMANCE DATA FOR INTERCEPTOR MISSILES
RF-TR-63-13 N63-21684 22-04

TELEMETERING DISTANCES AND POWER SUPPLIES FOR METEOROLOGICAL TELEMETERING DEVICES
RSIC-59 N63-21685 22-21

SUPERIORITY OF THREE-CUP ANEMOMETER FOR NATURAL WIND MEASUREMENTS
RSIC-56 N63-21686 22-15

ANNUAL WEATHER VARIATION - PRESSURE PATTERNS AND RAINFALL
RSIC-61 N63-21687 22-21

ELASTICITY AND EXPANSION COEFFICIENTS OF HELIUM, HYDROGEN & NITROGEN
RSIC-49 N63-22023 22-19

REAL GAS FLOW FIELD PROPERTIES AROUND SPHERICALLY BLUNTED BODIES
RF-TR-63-18 N63-22455 23-11

ASSIGNING MEASUREMENTS TO TELEMETRY CHANNELS TO MEET ERROR SPECIFICATIONS
RG-TR-63-13 N63-22456 23-08

STATIC PRESSURE DISTRIBUTIONS ALONG INCLINED SETBACK PLATE WITH ATTACHED JET USING HYDRAULIC ANALOGY
RG-TR-63-15 N63-22457 23-11

APPLICATION OF TRANSISTORS AS LOW-LEVEL SIGNAL SWITCHES - SOLID STATE CIRCUITS
RG-TR-63-16 N63-22458 23-09

DETERMINATION OF ELECTRON DENSITY AND COLLISION FREQUENCY OF PLASMA CYLINDER BY MEASURING ANGULAR SCATTERING OF MICROWAVES
RR-TR-63-14 N63-22459 23-24

BEHAVIOR OF HYDROGEN COMPARED WITH OXYGEN, NITROGEN & ARGON USING EQUIVALENT-STATE LAW
RSIC-46 N63-22460 23-23

RECEIVING SETS USED TO RECORD PROCESSES LEADING TO & FOLLOWING LIGHTNING AND THEIR APPLICATION TO WEATHER FORECASTING
RSIC-55 N63-22461 23-21

WEATHER FORECASTING RULES & METHODS - MEASURING ASYMMETRY OF CIRCUMPOLAR CURRENTS
RSIC-58 N63-22462 23-21

PRESSURE OF SATURATED MERCURY VAPOR AT ZERO-DEG AND HIGHER TEMPERATURES
RSIC-60 N63-22463 23-23

750 VOLT-AMPERE STATIC INVERTER
RG-TN-63-5 N63-22513 23-09

UTILIZATION OF MISSILE TELEMETRY CAPACITY THROUGH DATA BAND WITH COMPRESSION AND TRANSMITTER BANDWIDTH
RG-TR-63-17 N63-22514 23-08

AERODYNAMIC ANGLE OF ATTACK METERS IN MISSILE SYSTEMS N63-22515 23-02

ELECTROSTATIC PRECIPITATOR FOR RADIOACTIVE DUST COLLECTION
RSIC-57 N63-22558 23-15

THEORY OF ELECTRON MICROSCOPIC STEREOPHOTOGRAPHY AND DIFFERENCE BETWEEN OPTICAL AND ELECTRON MICROSCOPES
RSIC-65 N63-22559 23-23

OPTIMIZED ULTRALOW-FREQUENCY SHIELDED-LOOP ANTENNA
RE-TR-63-7 N63-22604 23-09

ATMOSPHERIC TRANSMISSION CURVES FOR METEOROLOGICAL CONDITIONS
KE-TR-63-13 N63-22605 23-21

KINETICS OF EPOXIDE-CARBOXYLIC ACID REACTION
RK-TR-63-20 N63-22607 23-07

CALCULATION OF ATOMIC ENERGY LEVELS OF SOME TWO-ELECTRON ATOMS
RR-TR-63-10 N63-22608 23-23

ENVIRONMENTAL TEST ON GUIDANCE SYSTEM OF PERSHING MISSILE
RT-TR-63-4 N63-22609 23-22

COMPRESSIBILITY OF CERTAIN GASES AND THEIR DEVIATIONS FROM AVOGADRO LAW OF DYNAMICS
RSIC-66 N63-22611 23-11

ULTRA-RAPID PHOTOGRAPHIC METHOD USING LUMINOUS FLASHES
RSIC-67 N63-22612 23-27

SPECTROPHOTOMETRIC DETERMINATION OF IRON BY COMPLEXING WITH PYRIDINE & PHENANTHROLINE COMPOUNDS
RSIC-41 N63-22683 23-19

RELATIONSHIP BETWEEN SURFACE ENERGY OF LIQUIDS AND ACCOMMODATION COEFFICIENTS
RSIC-52 N63-22868 23-23

THREE CLASSES OF THREE-DIMENSIONAL THEORY OF ELASTICITY
RSIC-64 N63-22869 23-23

EFFECT ON BASE DRAG OF RELATIVE LONGITUDINAL ARRANGEMENT OF CONCENTRIC BOOST & SUSTAINER ENGINE NOZZLES
RF-TR-63-19 N63-22933 23-27

STRENGTH OF GRAPHITE & PLASTIC TUBING UNDER BIAXIAL STRESS
RR-TR-63-18 N63-22934 23-19

THEORY OF ELASTICITY FOR MATERIAL HAVING A REGION WITH MORE THAN TWO SPHERICAL CAVITIES
RSIC-69 N63-23150 24-33

USES OF LITHIUM - BIBLIOGRAPHY
RSIC-71 N63-23351 24-18

GENERAL SOLUTION FOR EQUATIONS OF EQUILIBRIUM FOR ANISOTROPIC AND ISOTROPIC BODIES
RSIC-48 N63-23508 24-23

LATTICE VIBRATION DISTRIBUTION AND SPECIFIC HEAT OF BI-METALLIC REGULAR LATTICE
RSIC-81 N63-23509 24-18

INERTIAL PLATFORM LEVELING SCHEME USING DIGITAL ACCELEROMETER
RG-TR-63-27 N63-23617 24-02

SOLID STATE CIRCUIT TECHNIQUES - DIRECT CURRENT SWITCHING DEVICES
RG-TR-63-14 N63-23698 24-09

VIBRATION TEST OF PERSHING MISSILE SYSTEM TACTICAL SHIPPING AND STORAGE CONTAINERS
RT-TR-63-6 N63-23699 24-04

QUANTATIVE SPECTROGRAPHIC DETERMINATION OF ELEMENTS IN SOLUTION USING ATOMIZER & SPARK ANALYSIS
RSIC-78 N63-23716 24-18

LATTICE VIBRATION OF BRASS ALLOY BODY-CENTERED CUBIC CRYSTALS WITH TWO ATOMIC SPECIES
RSIC-79 N63-23717 24-23

ORDER & DISORDER AND LATTICE VIBRATIONS IN BINARY ALLOYS
RSIC-80 N63-23718 24-18

CHEMISTRY OF INORGANIC NITROGEN FLUORIDES
RSIC-77 N63-23789 24-07

ARMY MISSILE TEST AND EVALUATION DIRECTORATE, WHITE SANDS MISSILE RANGE, N. MEX.
MATRIX METHOD APPLIED TO GIBBS VECTORS AND DYADICS WITH APPLICATIONS TO FLIGHT DYNAMICS
N63-10513 01-20

ARMY RESEARCH OFFICE, DURHAM, N. C.
DYNAMICS OF STRUCTURES AND MATERIALS - STRESSES AND LOADS N63-16603 14-34

ARMY ROCKET AND GUIDED MISSILE AGENCY, HUNTSVILLE, ALA.
REFLECTION AND REFRACTION OF HYDROMAGNETIC WAVES
N63-10689 02-24

ARMY SIGNAL MISSILE SUPPORT AGENCY, WHITE SANDS MISSILE RANGE, N. MEX.
PULSE RECEIVERS IN RADAR BEACONS
EID-119 N63-10482 01-15

ARMY SIGNAL RESEARCH AND DEVELOPMENT LAB., FORT MONMOUTH, N.J.
ORGANIC ION-EXCHANGE MEMBRANES FOR HYDROGEN-OXYGEN FUEL CELLS N63-14124 09-06

HYDROGEN AND OXYGEN ELECTRODES FOR OPERATION IN ACID MEDIA OF LIQUID ORGANIC FUEL CELLS - CATALYZED ACTIVATED CARBON ELECTRODE PERFORMANCE
N63-14128 09-06

RESEARCH IN PHOTOVOLTAIC CONVERSION - LARGE AREA SOLAR CELLS, CRYSTAL SEMICONDUCTORS, AND SILICON EFFICIENCY N63-14146 09-06

SEALED CADMIUM-SILVER OXIDE BATTERIES
N63-14153 09-06

LOW TEMPERATURE PRIMARY BATTERIES WITH FLEXIBILITY AND CAPABILITY DESIRED IN MILITARY USE
N63-14163 09-06

TREND TOWARD MINIATURIZATION OF COMPONENTS AND REPLACEMENT OF ELECTRO-MECHANICAL DEVICES WITH STATIC ELECTRICAL DEVICES N63-14165 09-0

FUEL CELLS - ELECTROCHEMICAL, HYDROGEN-OXYGEN, HYDROCARBON N63-17931 16-0

INSTRUMENTATION FOR THE CONTINUOUS MEASUREMENT OF SOLAR AND SKY ULTRAVIOLET RADIATION
USASRDL-TR-2290 N63-23785 24-2

ARMY TANK-AUTOMOTIVE COMMAND, CENTER LINE, MICH.
METHODS FOR PREDICTING BRITTLE FRACTURE TEMPERATURES OF ROLLED ARMOR STEEL - SURFACE VEHICLE DESIGN APPLICATIONS - STRUCTURAL DYNAMICS
N63-16609 14-1

ARMY TRANSPORTATION ENGINEERING AGENCY, FT. EUSTIS, VA.
A COMPARISON OF SHOCK AND VIBRATION FOR AIR, RAIL, SEA, AND HIGHWAY TRANSPORTATION
N63-10098 01-2

CHEMICAL KINETIC REGIMES OF HYPERSONIC FLIGHT SIMULATION
AEDC-TDR-63-3 N63-12253 05-1

ARMY TRANSPORTATION RESEARCH COMMAND, FORT EUSTIS, VA.
DYNAMIC LOAD PROBLEMS OF HELICOPTER AND V/STOL AIRCRAFT ROTORS N63-21823 22-0

RESULTS OF ARMY LOW-ALTITUDE, HIGH-SPEED FLIGHT PROGRAM /MAN-MACHINE/ N63-21842 22-0

ARNOLD ENGINEERING DEVELOPMENT CENTER, ARNOLD AIR FORCE STATION, TENN.
CHEMICAL KINETIC REGIMES OF HYPERSONIC FLIGHT SIMULATION
AEDC-TDR-63-3 N63-12253 05-1

SPACE ENVIRONMENT LUBRICATION REQUIREMENTS
AEDC-TDR-63-154 N63-22954 23-1

ARO, INC., ARNOLD AIR FORCE STATION, TENN.
MICROWAVE MEASUREMENT OF PROJECTILE KINEMATICS WITHIN LAUNCHER BARRELS
AEDC-TDR-62-213 N63-10131 01-1

IMPACT-PRESSURE PROBES IN A LOW-DENSITY HYPERVELOCITY FLOW
AEDC-TDR-62-208 N63-10671 02-1

DRAG OF SPHERES IN HYPERVELOCITY RAREFIED GAS FLO
AEDC-TDR-62-205 N63-10673 02-0

LOAD CAPACITY AND DAMPING LEVEL OF A GAS BEARING
AEDC-TDR-62-221 N63-10754 02-1

RADIATION TRANSFER FROM A METALLIC SURFACE WITH CARBON DIOXIDE CRYODEPOSITS AT 77-DEG K
AEDC-TDR-62-165 N63-10955 02-2

ANALYSIS OF CONTAMINATING FILM ON AN INFRARED RADIATOR REFLECTOR
AEDC-TDR-62-233 N63-11209 03-1

FORCE MEASUREMENTS ON A DATA CAPSULE IN THE WAKE AND FLOW FIELD OF A CARRIER VEHICLE AT MACH 8
AEDC-TDR-62-220 N63-11425 03-0

CRYOGENIC SYSTEMS FOR SPACE SIMULATION TEST CELL
AEDC-TDR-62-201 N63-11606 04-1

SOLAR SIMULATION INSTRUMENTATION
AEDC-TDR-62-191 N63-11775 04-1

ZERO SECONDARY FLOW EJECTOR-DIFFUSER PERFORMANCE USING ANNULAR NOZZLES
AEDC-TDR-62-196 N63-11857 04-2

RADIATIVE DECAY OF METASTABLE ARGON ATOMS IN LOW-DENSITY ARGON PLASMA STREAM
AEDC-TDR-63-5 N63-11973 05-2

CALORIMETIC STUDY OF FLOW PROPERTIES OF LOW DENSITY HYPERVELOCITY WIND TUNNEL
AEDC-TDR-63-19 N63-12465 06-0

ANNOTATED BIBLIOGRAPHY - MAGNETIC SUSPENSION OF

WIND TUNNEL MODELS
AEDC-TDR-63-20 N63-12750 06-02

SPHERES AND BLUNT BODIES IN LOW DENSITY HYPERVELOCITY ARGON FLOW
AEDC-TDR-63-21 N63-13036 07-11

BIBLIOGRAPHY - RADIO TELEMETRY TO SURVIVE HIGH ACCELERATIONS
AEDC-TDR-63-36 N63-13296 07-08

RADIOTRACER TECHNIQUE IN ELECTROMETALLURGICAL PROCESSING
BM-RI-6195 N63-13311 07-18

CALIBRATION OF PRESSURE TRANSDUCER SYSTEM FOR UNSTEADY PRESSURE MEASUREMENTS
AEDC-TDR-63-29 N63-13424 08-15

SOLUTION OF TRANSIENT ONE-DIMENSIONAL HEAT CONDUCTION IN INFINITE SLAB
AEDC-TDR-63-43 N63-13425 08-13

MATHEMATICAL ANALYSIS OF THERMAL STRESS, SHOCK AND EXPANSION OF THROAT SECTIONS OF 50-INCH HYPERSONIC WIND TUNNEL
AEDC-TDR-62-231 N63-13456 08-10

CRYOPUMPING RESULTS FOR NITROGEN & CARBON DIOXIDE GAS USING THERMALLY SHIELDED CRYOSURFACES - FREE MOLECULES & TRANSITION FLOW
AEDC-TDR-63-28 N63-13656 08-17

VIBRATIONAL NONEQUILIBRIUM WITH NITROGEN IN LOW-DENSITY FLOW
AEDC-TDR-63-31 N63-13657 08-11

VISCOUS EFFECTS ON ZERO-LIFT DRAG OF SLENDER BLUNT CONES
AEDC-TDR-63-35 N63-13658 08-11

SUPERSONIC WIND TUNNEL CALIBRATION - COMPARISON OF TRANSITION REYNOLDS NUMBERS USING BLUNT-NOSED HOLLOW CYLINDER MODEL IN 12-IN. & 40 IN. TUNNELS
AEDC-TDR-63-57 N63-14003 09-11

AERODYNAMIC DESIGN AND CALIBRATION OF VKF 50-INCH HYPERSONIC WIND TUNNEL
AEDC-TDR-62-230 N63-14262 10-10

APPROXIMATE EXPRESSIONS FOR BOUNDARY-LAYER THICKNESSES WITH LONGITUDINAL VELOCITY GRADIENTS FOR MAGNETOHYDRODYNAMIC ACCELERATION CHANNELS
AEDC-TDR-63-24 N63-14481 10-11

SUPERSONIC WIND TUNNEL MODEL CALIBRATION AT MACH 1.5 TO 4.5
AEDC-TDR-63-47 N63-14769 11-15

CALIBRATION OF 100-INCH HYPERVELOCITY WIND TUNNEL
AEDC-TDR-63-46 N63-14780 11-15

ENERGY TRANSFER IN ELECTRODE AND SETTLING REGIONS OF ARC-HEATED WIND TUNNEL
AEDC-TDR-63-72 N63-14857 11-13

DESIGN AND OPERATION OF HYPERSONIC WIND TUNNEL EQUIPPED WITH ASYMMETRIC CONTOURED NOZZLE AND INJECTION-TYPE MODEL SUPPORT SYSTEM
AEDC-TDR-62-229 N63-15113 11-10

ANALYSIS OF INITIAL STATIC PRESSURE PROBE MEASUREMENTS IN LOW-DENSITY HYPERVELOCITY WIND TUNNEL
AEDC-TDR-63-94 N63-15484 12-11

EFFECT OF GAS AND SURFACE TEMPERATURE ON CRYOPUMPING OF NITROGEN AND ARGON
AEDC-TDR-63-51 N63-16033 13-11

VACUUM CHAMBER TEST PROGRAM FOR LUBRICANT FILM ON BEARINGS, GEARS AND PINIONS
AEDC-TDR-63-67 N63-16299 13-17

HEAT DISSIPATION IN SPACE ENVIRONMENTAL CHAMBERS - RADIATION TRANSMISSION THROUGH SHIELDING FOR CRYOPUMPING SURFACES
AEDC-TDR-63-75 N63-16530 14-08

SPACE ENVIRONMENT SIMULATION CHAMBER INSTRUMENTATION
AEDC-TDR-63-113 N63-17068 15-15

HIGH-SPEED, SOLID-STATE, DIGITAL SCANNER FOR COMMUTATING DATA TO ERA 1102 COMPUTER
AEDC-TDR-62-61 N63-17686 16-20

CALIBRATION OF FLOW SURVEY METERS IN TRANSONIC WIND TUNNEL
AEDC-TDR-63-134 N63-18117 16-15

ROCKET HEAT TRANSFER MEASUREMENT - SLUG MASS CALORIMETER - CONVECTION AND RADIANT HEAT RATES
AEDC-TDR-63-93 N63-18257 17-13

SIMULATION OF SPACE ENVIRONMENTS WITH HIGH ENERGY PENETRATION RADIATIONS USING PARTICLES GENERATED BY HIGH ENERGY ACCELERATORS
AEDC-TDR-63-118 N63-18731 17-28

LAMINAR HEAT TRANSFER TO SPHERICALLY BLUNTED CONES AND HEMISPHERE CYLINDERS AT HYPERSONIC SPEED - ARC DISCHARGE WIND TUNNEL TEST
AEDC-TDR-63-102 N63-18742 17-13

DEVELOPMENT OF PRESSURE TRANSDUCER FOR PRESSURE MEASUREMENT IN HYPERVELOCITY WIND TUNNEL TESTING
AEDC-TDR-63-135 N63-18749 17-02

THERMODYNAMIC PROPERTIES OF AIR AND NITROGEN TO 15,000-DEG K
AEDC-TDR-63-138 N63-18855 18-11

AERODYNAMIC DATA CONCERNING VORTEX FLOW AND GAS VELOCITY IN SMALL DIRECT CURRENT ARC HEATER OPERATED WITH ARGON
AEDC-TDR-63-124 N63-19104 18-24

BOUNDARY-LAYER TRANSITION ON SWEPT WINGS AT MACH 2.5 TO 5
AEDC-TDR-63-109 N63-19510 19-11

STAGNATION POINT LAMINAR HEAT TRANSFER OF SPHERE IN AIR AND NITROGEN AT HIGH TEMPERATURES
AEDC-TDR-63-139 N63-19644 19-13

AERODYNAMIC CHARACTERISTICS OF HYPERVELOCITY BALLISTIC MODELS AT MACH 1.5 TO 10
AEDC-TDR-63-137 N63-19879 19-02

ANALOG COMPUTER TECHNIQUES IN THRUST COMPENSATION METHODS
AEDC-TDR-63-85 N63-20023 19-27

CALCULATING FLOW PROPERTIES BY MOLECULAR KINETICS METHOD COMPARED TO MONTE CARLO TECHNIQUE
AEDC-TDR-63-120 N63-20109 20-11

ELLIPTICAL CONE - PRESSURE DISTRIBUTION, FLOW STREAMLINES, AND SHOCK WAVE SHAPE AT HIGH ANGLES OF ATTACK AT MACH 10
AEDC-TDR-63-163 N63-20337 20-02

BLACK BODY RADIATION OF FROST CRYODEPOSIT
AEDC-TDR-63-155 N63-20473 20-13

VACUUM CRYOSORPTION BY ACTIVATED CHARCOAL
AEDC-TDR-63-170 N63-20590 20-11

PRESSURES IN STAGNATION REGIONS OF BLUNT BODIES IN VISCOUS LAYER TO MERGED LAYER REGIMES OF RAREFIED GAS FLOW
AEDC-TDR-63-168 N63-20600 20-11

VACUUM LEAK DETECTION APPLIED TO SPACE SIMULATION CHAMBERS
AEDC-TDR-63-142 N63-20734 21-10

MOLLIER DIAGRAM FOR AIR INCLUDING EFFECTS OF DISSOCIATION IONIZATION AND INTERMOLECULAR POTENTIALS
AEDC-TDR-63-190 N63-21928 22-11

AUXILIARY EJECTOR EFFECTS ON ROCKET-DRIVEN DIFFUSER PERFORMANCE DURING THRUST VARIATION
AEDC-TDR-63-188 N63-22022 22-02

WIND TUNNEL CALIBRATION PROGRAM - BOUNDARY LAYER

CHARACTERISTICS AT MACH 2 THROUGH 5 - VELOCITY PROFILES AND REYNOLDS NUMBER VARIATION
AEDC-TDR-63-192 N63-22091 22-11

CAPACITANCE AND INDUCTANCE ENERGY STORAGE SYSTEM
N63-22283 23-06

FLOW CHARACTERISTICS OF 12-INCH INTERMITTENT SUPERSONIC WIND TUNNEL
AEDC-TDR-63-203 N63-22438 23-02

IMPINGEMENT OF AIRBORNE WATER PARTICLES ON 90-DEG TURNING VANE
AEDC-TDR-63-195 N63-22613 23-11

CRYOGENIC PUMPING IN HIGH MASS FLOW SYSTEM
AEDC-TDR-63-199 N63-22955 23-11

DIFFUSER-EJECTER PERFORMANCE WITH DIFFERENT DRIVING FLUIDS
AEDC-TDR-63-207 N63-22956 23-11

SPHERICAL STRESS WAVES AND FRACTURES IN SOLIDS PRODUCED BY HYPERVELOCITY IMPACT
AEDC-TDR-63-197 N63-23611 24-11

TRANSFORMATION OF AXES SYSTEMS BY MATRIX METHODS AND APPLICATION TO WIND TUNNEL DATA REDUCTION
AEDC-TDR-63-224 N63-23666 24-02

ASOCIACION ESPANOLA DE ASTRONAUTICA, MADRID /SPAIN/.
PHYSICO-MATHEMATICAL ANALOGIES BETWEEN MOTIONS IN ATMOSPHERE AND INTERSTELLAR SPACE
N63-18918 18-02

ASSOCIATED UNIVERSITIES, INC., NEW YORK, N.Y.
PHYSICS, ACCELERATORS, CHEMISTRY, BIOLOGY, MEDICINE - BNL REPORT
BNL-742/AS-16/ N63-12924 07-01

ASSOCIAZIONE INTERNAZIONALE UOMO NELLO SPAZIO, ROME /ITALY/.
SCIENCE, ENGINEERING AND TECHNOLOGY IN THE SPACE AGE N63-18914 18-01

ASSOCIAZIONE ITALIANA RAZZI, ROME /ITALY/.
PERCEPTION OF MOTION, EQUILIBRIUM, AND ORIENTATION UNDER THE CONDITIONS OF WEIGHTLESSNESS
N63-18940 18-16

ASTRO RESEARCH CORP., SANTA BARBARA, CALIF.
EXPANDABLE STRUCTURES, SPACECRAFT, SOLAR ENERGY COLLECTORS, RECOVERY
ARC-R-77 N63-10951 02-34

THEORY OF FOLDING DEFORMATIONS IN EXPANDABLE STRUCTURES, TOROIDAL SHELLS
NASA-TN-D-1690 N63-11056 03-34

THEORY AND APPLICATION OF FILAMENTARY STRUCTURES - FILAMENT-WOUND PRESSURE VESSELS
NASA-TN-D-1692 N63-11057 03-34

DEFORMATION MECHANISMS OF SURFACES FOR EXPANDABLE STRUCTURES WITH SCREW SHAPE
ARC-R-72 N63-12656 06-34

PACKAGING INFLATABLE STRUCTURES - ISOMETRIC MAPPING OF STRAIN-FREE SURFACE DEFORMATIONS FOR FLAT ANNULAR DISK PACKAGE
NASA-TN-D-1918 N63-15393 12-34

DEFORMATION OF FLEXIBLE INFLATABLE STRUCTURES
NASA-TN-D-1919 N63-15777 13-33

ANALYSIS OF AXISYMMETRIC ROTATING PRESSURIZED FILAMENTS
NASA-TN-D-1920 N63-15778 13-34

ANALYTICAL DESIGN FOR FILAMENT WOUND PRESSURE VESSELS - EFFECT OF CENTRIFUGAL LOADING
N63-17657 16-34

SELF-DEPLOYING SPACE STATION REQUIREMENTS FOR INFLATABLE SECTIONS
ARC-R-58 N63-19953 19-32

INTERNAL STRAIN IN FILAMENTS OF ELEMENTAL BORON DEPOSITED ON TUNGSTEN
ARC-R-107 N63-22614 23-09

ASTRONETIC RESEARCH, INC., NASHUA, N.H.
BIAS FUNCTION GENERATOR - OUTPUT VOLTAGES
AFCRL-TDR-63-492 N63-19934 19-06

EFFECT OF GUST ALLEVIATION SYSTEMS ON AERODYNAMIC LOADS N63-21303 21-02

ASTROPHYSICAL INST., ALMA ATA /USSR/.
COMETARY NATURE OF TUNGUSK METEORITES
N63-16664 14-05

ASTROPHYSICAL LAB., ASHKHABAD /USSR/.
METEOR SPECTROGRAPHY N63-16645 14-05

ASTROPOWER, INC., COSTA MESA, CALIF.
ELECTROCHEMICAL AND PHYSICAL PROPERTIES OF ZEOLITES FOR FUEL CELLS
NASA-CR-50566 N63-18360 17-26

ASTROPOWER, INC., NEWPORT BEACH, CALIF.
COMPATIBILITY OF STRUCTURAL MATERIALS WITH HIGH PERFORMANCE CRYOGENIC LIQUID OXIDIZERS CONTAINING FLUORINE COMPOUNDS N63-19901 19-26

SOLUTION AND CONDUCTIVITY STUDIES IN FLUORINE CONTAINING LIQUID OXIDIZERS N63-22795 23-26

ATHENS U. /GREECE/.
ELECTRON SCATTER IN SOLIDS FROM COMPTON EFFECT
N63-20167 20-25

ATLANTIC RESEARCH CORP., ALEXANDRIA, VA.
FIRE EXTINGUISHERS, SAFETY, AND DETONATION SUPPRESSION
ASD-TDR-62-526 N63-10149 01-26

GAS-METAL REACTION IN ROCKET NOZZLES
N63-11771 04-07

COMBUSTION AND DETONATION HAZARDS OF LIQUID HYDROGEN IN R&D FACILITIES
ASD-TDR-62-1027 N63-11878 04-26

CHEMICAL REACTIONS BETWEEN PLASTIC COMPOSITE MATERIALS AND PROPELLANT EXHAUST GASES
N63-14720 11-07

FLEXIBLE POLYMERS FOR THERMAL INSULATION IN SOLID PROPELLANT ROCKET ENGINES N63-15377 12-27

MEASUREMENT OF DYNAMIC SHEAR COMPLIANCE OF ALUMINIZED POLYBUTADIENE-ACRYLIC ACID-ACRYLONITRILE PROPELLANT - COMBUSTION INSTABILITY
N63-15595 12-26

FLEXIBLE POLYMERS AS THERMAL INSULATION IN SOLID PROPELLANT ROCKET ENGINE - PHENOL, EPOXY, AND FURAN RESINS N63-15876 13-07

DEVELOPMENT OF FLEXIBLE POLYMERS AS THERMAL INSULATION IN SOLID-PROPELLANT ROCKET ENGINES - STUDY OF EPOXY AND PHENOL RESINS
N63-15877 13-07

PYROLYTIC GRAPHITE COATINGS FOR ROCKET NOZZLES - EFFECT OF DEPOSITION VARIABLES ON GRAPHITE MICROSTRUCTURE - SCALE MOTOR TEST FIRING RESULTS
N63-15942 13-27

SOLID ROCKET NOZZLE APPLICATIONS OF PYROLYTIC GRAPHITE N63-15975 13-26

CHEMICAL REACTIONS BETWEEN ABLATING PLASTIC COMPOSITES AND PROPELLANT EXHAUST GASES
N63-16484 14-19

SOLID PROPELLANT TECHNIQUE FOR ELECTRON GENERATION
N63-17430 15-26

EXPLOSIONS INDUCED BY CONTACT OF HYDRAZINE FUELS WITH NITROGEN TETROXIDE - FIRE HAZARD
ASD-TDR-62-685 N63-17985 16-16

TURBULENCE EFFECT OF FLAME OF TWO-DIMENSIONAL BURNER - FLOW FIELD & FLAME FRONT PROPAGATION
N63-18504 17-26

IGNITION AND COMBUSTION OF SINGLE ALUMINUM PARTICLES AT ATMOSPHERIC PRESSURE IN AMMONIUM PERCHLORATE-FUEL FLAMES N63-18566 17-26

RAMJET BAFFLE TYPE COMBUSTION CHAMBERS & TURBULENT FLOW STUDIES N63-18585 17-27

FIRE CONTROL IN LIQUID HYDROGEN AND LIQUID OXYGEN PROPULSION SYSTEMS
ASD-TDR-62-526, PT. II N63-18899 18-07

CHEMICAL REACTIONS BETWEEN SOLID PROPELLANT GASES AND NOZZLE MATERIALS OF GRAPHITE AND REFRACTORY METAL CARBIDES N63-19792 19-26

TUNGSTEN ALLOYS FOR ROCKET NOZZLES N63-19923 19-18

ATLANTIC TECHNOLOGY CORP., NORTHFIELD, N.J.
MODIFICATIONS AND CORRECTIONS OF READOUT TRIGGER GENERATOR EQUIPMENT FOR DATA PROCESSING AND DISPLAY SYSTEMS N63-21863 22-08

ATOMIC ENERGY COMMISSION, CHICAGO, ILL.
NUCLEAR SUPERHEAT PROJECT - MATERIAL CORROSION, FUELS-IRRADIATION AND ACTIVATION, REACTOR PHYSICS, COOLANT CHEMISTRY, HEAT TRANSFER STUDIES - SUMMARY
TID-7658 N63-15502 12-13

MECHANISM OF LITHIUM-7 /PROTON, ALPHA PARTICLE/ HELIUM-4 REACTION - EFFECT OF RESONANCE
AEET-NP-6 N63-23089 24-23

DIFFUSION COEFFICIENT OF CHROMIUM IN ALUMINUM FROM 250 TO 605-DEG C USING RADIOACTIVE TRACER
AEET-CD-15 N63-23107 24-18

RECOIL EFFECTS FROM COBALT-59 /GAMMA, NEUTRON/ COBALT-58 REACTION
AEET-DC-14 N63-23147 24-07

GROWING SODIUM IODIDE-THALLIUM ACTIVATED SCINTILLATION SINGLE CRYSTALS
AEET-TP-3 N63-23148 24-23

ATOMIC ENERGY COMMISSION, IDAHO FALLS, IDAHO.
AUTOMATIC FILM DENSITY READING SYSTEM - DESIGN AND FABRICATION - DOSIMETRY FILM
IDO-12029 N63-15618 12-15

ATOMIC ENERGY COMMISSION, NEW BRUNSWICK, N.J.
CATION EXCHANGE METHOD FOR SEPARATION AND DETERMINATION OF PLUTONIUM IN PLUTONIUM-URANIUM REACTOR FUEL ELEMENTS
NBL-189 N63-12401 06-07

CHEMICAL ANALYSIS - NUCLEAR FUELS - NUCLEAR REACTOR - X-RAY FLUORESCENCE - SPECTROPHOTOMETRY
NBL-188 N63-12435 06-07

SPECTROPHOTOMETRIC DETERMINATION OF SILICON IN THORIUM DIOXIDE N63-12436 06-07

SPECTROPHOTOMETRIC DETERMINATION OF ZIRCONIUM IN THORIUM-ZIRCONIUM ALLOYS N63-12437 06-07

EXTRACTION AND SPECTROPHOTOMETIC DETERMINATION OF TUNGSTEN WITH 8-QUINOLINOL N63-12438 06-07

NEUTRON ACTIVATION OF URANIUM-235 BY INCREASING NEUTRON FLUX N63-12439 06-07

SPECTROGRAPHIC DETERMINATION OF BORON IN 8N NITRIC ACID SOLUTIONS N63-12440 06-07

STOICHIOMETRY OF DICESIUM PLUTONIUM HEXACHLORIDE N63-12441 06-07

CONTROL PROGRAM FOR ANALYSIS OF NUCLEAR FUEL - URANIUM BIAS CHECK N63-12442 06-07

DETERMINATION OF BORON IN PLASTIC TAPE IMPREGNATED WITH BORON CARBIDE N63-12443 06-07

DETERMINATION OF IMPURITIES IN BERYLLIUM BY X-RAY FLUORESCENCE SPECTROSCOPY N63-12444 06-07

DETERMINATION OF ENRICHED URANIUM IN URANIUM OXIDE-STAINLESS STEEL SOLUTIONS BY X-RAY FLUORESCENCE N63-12445 06-07

SIX-INCH MASS SPECTROMETER FOR ISOTOPIC ANALYSIS OF SOLIDS, LIQUIDS OR GASES - BORON, LITHIUM & URANIUM STUDY
NBL-191 N63-14644 10-15

MEASUREMENT OF MASS/CHARGE POSITIONS FOR MASS SPECTROMETER USING ROTATING COIL GAUSSMETER
NBL-194 N63-15551 12-15

ATOMIC ENERGY COMMISSION, NEW YORK, N.Y.
COMPUTER PROGRAM FOR CALCULATING NEUTRON INTERACTION BETWEEN CYLINDRICAL STORAGE CONTAINERS AND FISSIONABLE MATERIAL
HASL-126 N63-16385 14-20

ENERGY DEPENDENCE CALIBRATIONS IN 60 KEV TO 180 KEV RANGE OF VICTOREEN IONIZATION CHAMBER USING X-RAY MACHINE OF VARYING OUTPUT
HASL-133 N63-16850 14-23

DETERMINATION OF BERYLLIUM IN URINE BY ION EXCHANGE SEPARATION
HASL-134 N63-17459 15-07

ATOMIC ENERGY COMMISSION, WASHINGTON, D.C.
PROBLEMS OF PHOTOSYNTHESIS
AEC-TR-4501 N63-10210 01-07

BORIDES OF RARE EARTH METALS
AEC-TR-5264 N63-10478 01-18

REACTOR SAFETY - LITERATURE SEARCH
TID-3525 /REV. 4/ N63-10518 01-23

PROBLEMS OF HEAT TRANSFER
AEC-TR-4511 N63-10523 01-13

ATOMIC RADIATION - A BIBLIOGRAPHY
TID-3909/SUPPL. 1/ N63-10605 02-16

METHODS AND USES OF MASS SPECTROSCOPY
AEC-TR-5080 N63-10674 02-15

YIELD OF RADIOLUMINESCENCE OF ORGANIC COMPOUNDS, SCINTILLATORS, GAMMA RAYS
AEC-TR-5377 N63-10679 02-28

SPATIAL NONSTATIONARY MOTIONS OF SOLID MEDIUM WITH SHOCK WAVES
AEC-TR-5400 N63-11026 03-23

ZIRCONIUM - CHEMICAL AND PHYSICAL METHODS OF ANALYSIS
AEC-TR-5373 N63-11027 03-18

HYDRIDES OF THE TRANSITION METALS
AEC-TR-5224 N63-11346 03-07

SCINTILLATION METHOD IN RADIOMETRY
AEC-TR-5259 N63-11663 04-15

GENETICS - EFFECTS OF RADIATION ON HEREDITY
AEC-TR-5376 N63-11720 04-16

SOVIET RADIOBIOLOGICAL RESEARCH REVIEW
AEC-TR-5427 N63-11822 04-16

METABOLISM OF RADIOISOTOPES OF RARE EARTHS, ALKALINE EARTHS, AND HEAVY METALS
AEC-TR-5236 N63-11824 04-16

SAFETY RULES FOR WORKING WITH RADIOACTIVE MATERIALS
AEC-TR-5445 N63-11936 04-16

METABOLISM OF FISSION PRODUCTS - PHYSICO-CHEMICAL STATE & METABOLIC PATH OF RADIOCERIUM SOLUTIONS
AEC-TR-5242 N63-12023 05-16

NATURAL RADIOELEMENTS AND ANALYTICAL METHODS FOR URANIUM, THORIUM, AND THEIR DECAY PRODUCTS
AEC-TR-5458 N63-12164 05-23

ADVANCED NUCLEAR ROCKET MATERIALS RESEARCH
TID-16315/DEL./ N63-12211 05-27

NUCLEAR REACTOR FACILITIES - UNITED STATES

N63-12936 07-10

HEAT TRANSFER IN FUEL ELEMENTS AND COOLING WATER CHANNELS IN PRESSURIZED WATER POWER REACTORS - BIBLIOGRAPHY
TID-3574 N63-13500 08-13

NUCLEAR FUELS AND MATERIALS DEVELOPMENT - REACTOR EFFICIENCY, OUTPUT AND LIFE, DESIGN
TID-11295 /2ND ED./ N63-13693 08-01

DIRECT ENERGY CONVERSION AND SYSTEMS FOR NUCLEAR AUXILIARY POWER - LITERATURE SEARCH
TID-3561 /REV. 3/ N63-13742 08-06

ELECTRON THEORY OF CRYSTALS WITH IONIC LATTICES - DIELECTRICS AND SEMICONDUCTORS
AEC-TR-5575 N63-14412 10-25

SURVEY OF 21 REACTOR VESSELS IN LIGHT OF ANTICIPATED EFFECTS OF NEUTRON IRRADIATION ON BRITTLE-RUPTURE PROPERTIES OF STRUCTURAL MATERIALS
TID-17682 N63-14630 10-33

HIGH-TEMPERATURE LIQUID METAL HEAT TRANSFER - DEVELOPMENT PROBLEMS OF SNAP REACTOR SYSTEM, REACTOR DESIGN AND MATERIAL N63-15002 11-13

PROTECTION AGAINST RADIATION HAZARDS IN SPACE
TID-7652, BK.1 N63-15114 11-28

PROTECTION AGAINST RADIATION HAZARDS IN SPACE - BOOK II, DOSE MEASUREMENT AND SHIELD DESIGN FOR PRIMARY AND SECONDARY EMISSION
TID-7652, BK. 2 N63-15138 11-28

STARFISH PROJECT - NUCLEAR EXPLOSION - ARTIFICIAL RADIATION BELT N63-15360 12-28

ANATOMICAL CHANGES IN LUNGS FOLLOWING RADIATION EXPOSURE
AEC-TR-5500 N63-15490 12-16

EFFECT OF IONIZING RADIATION ON VIRAL INFECTIONS AND ANTIVIRUS IMMUNITY
AEC-TR-5579 N63-15491 12-16

ANALYTICAL SOLUTION OF ENERGY DEPENDENT NEUTRON TRANSPORT PROBLEM FOR PLANE GEOMETRY
AEC-TR-5204 N63-15522 12-20

FUNDAMENTAL NUCLEAR ENERGY RESEARCH - RADIATION MEDICINE, PHYSICAL SCIENCES, ENVIRONMENTAL SCIENCE, NUCLEAR REACTOR, RADIOACTIVE WASTE N63-15708 12-01

REACTOR FUEL ELEMENT CONFERENCE, GATLINBURG, TENN, 1962 - VOL 2
TID-7642, BK. 2 N63-16118 13-18

WELDING IN A RADIOACTIVE ENVIRONMENT
TID-7620 /PT. 1/ N63-17251 15-18

NUCLEAR REACTOR CHEMISTRY
TID-7641 N63-17379 15-07

HIGH-ENERGY NUCLEAR ACCELERATOR PHYSICS
TID-18636 N63-17769 16-25

DIFFUSION IN METALS - CHEMICAL KINETICS OF EXCHANGE REACTIONS
AEC-TR-4506 N63-18013 16-18

ARTIFICIAL RADIATION BELT FORMED BY TRAPPED ELECTRON PARTICLES FROM STARFISH HIGH ALTITUDE NUCLEAR EXPLOSION
NASA-TM-X-50195 N63-18859 18-12

SALZBURG PLASMA PHYSICS CONFERENCE, SEPT 1961 - PLASMA BEHAVIOR IN MAGNETIC FIELDS AND TRAPS
AEC-TR-5589, BK. 1 N63-19193 18-24

SALZBURG CONFERENCE ON PLASMA PHYSICS & CONTROLLED NUCLEAR FUSION, SEPT 1961
AEC-TR-5589, BK. 2 N63-19194 18-24

REFERENCES TO UNCLASSIFIED REPORTS ON REACTOR SYSTEMS - REACTOR SAFETY
TID-3523/REV. 5/ N63-21018 21-23

SPECTROMETRY, REFLECTION, SCATTERING, AND STRUCTURE OF NEUTRON - SLOW NEUTRON PHYSICS
AEC-TR-5734 N63-21021 21-2

NEUTRON ACTIVATION ANALYSIS BY IRRADIATION WITH NUCLEAR PARTICLES N63-21412 22-2

INDUSTRIAL AND GOVERNMENTAL EFFORTS OF AIR POLLUTION DECONTAMINATION N63-21413 22-1

HISTORY OF ATOMIC ENERGY - ATOMIC THEORY, CATHODE RAY STUDIES, ATOMIC NUCLEUS, PROTON, ISOTOPES, FISSION & FUSION AND THE ATOMIC BOMB N63-21438 22-2

POWER FROM ISOTOPES - SNAP PROGRAM - ISOTOPES IN SPACE, EARTH ISOTOPE GENERATORS AND SAFETY N63-21476 22-2

RADIOACTIVATION USED IN QUALITATIVE & QUANTITATIV ANALYSIS OF MATERIALS - REFERENCES & INDEXES
TID-3575 N63-22218 23-2

MOLTEN SALTS - BIBLIOGRAPHY
TID-3564/REV. 1/ N63-22219 23-2

BIBLIOGRAPHY OF MOLYBDENUM, NIOBIUM, AND MOLYBDENUM-NIOBIUM ALLOY METALLURGY
TID-3572 N63-22220 23-1

NUCLEAR REACTOR FACILITIES N63-22222 23-1

NUCLEAR PROPULSION FOR ROCKETS, RAMJETS & SPACE VEHICLES
TID-7653 /PT. 1/ N63-22301 23-0

ATMOSPHERIC, OCEANOGRAPHIC & GEOHYDROLOGIC STUDIE RELATED TO NUCLEAR ROCKET FLIGHT N63-22308 23-1

ATOMIC ENERGY ESTABLISHMENT, WINFRITH /GT. BRIT./
NEUTRON FLUX STRUCTURE IN GRAPHITE LATTICES - URANIUM METAL & OXIDE FUEL ELEMENTS - BUCKLING AND FLUX DISTRIBUTION
AEEW-R-235, PT. III N63-20058 20-2

FAST FISSION NUCLEAR REACTOR - FAST FISSION FACTOR FROM BASIC NUCLEAR DATA
AEEW-R-131 N63-20673 20-2

ATOMIC ENERGY OF CANADA LTD., CHALK RIVER, ONTARIO.
CONTAMINATION RATE METER FOR MEASURING ALPHA AND BETA PARTICLE ACTIVITY
CRRD-1109 N63-16597 14-1

MATHEMATICAL ANALYSIS OF THERMAL NEUTRON LEAKAGE IN HEXAGONAL LATTICE
CRRP-1147 N63-17178 15-2

METAL CORROSION OF ZIRCONIUM ALLOYS IN WATER AND STEAM AT HIGH TEMPERATURE AND PRESSURE
AECL-1724 N63-17810 16-1

DIGITAL DATA STORAGE AND DISPLAY USING MAGNETIC DRUM AND CATHODE RAY TUBE SCREEN
CREL-1145 N63-20020 19-0

NUCLEAR AND THEORETICAL PHYSICS, NEUTRON INELASTIC SCATTERING IN LIQUIDS, SOLIDS AND ELECTRONIC DEVICES
AECL-1778 N63-20280 20-2

COMPUTER DESIGN FOR NUMBER DISCRIMINATOR AND WINDOW SELECTOR CIRCUIT
CREL-1120 N63-20700 21-0

RAPID SPECTROGRAPHIC METHOD FOR DETERMINATION OF BERYLLIUM ON FILTERS
CRDC-1157 N63-20735 21-1

COMPUTER PROGRAM FOR SOLUTION OF ONE-GROUP NEUTRON DIFFUSION IN THREE DIMENSIONS BY FINITE DIFFERENCE METHOD
CRRP-1159 N63-21377 22-2

IRRADIATION OF NUCLEAR REACTOR FUEL WITH FOG COOLING
AECL-1819 N63-22746 23-2

GAMMA PINHOLE CAMERA FOR LOCATING HIGH INTENSITY RADIATION SOURCES
AECL-1801 N63-22766 23-15

LONG-TERM IRRADIATION OF SINTERED ALUMINUM PRODUCT CLAD, URANIUM OXIDE FUELED, TREFOIL BUNDLES IN X-7 ORGANIC COOLED LOOP
AECL-1782 N63-23145 24-23

ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL /GT. BRIT./

PERMEABILITY OF SOME PLASTIC MATERIAL SUITABLE FOR HIGH VACUUM SYSTEM CONSTRUCTION
AERE-M-599 N63-15466 12-19

DEVELOPMENT OF NEW TYPE OF PYROLYTIC CARBON BY PYROLYSIS
AERE-R-3949 N63-16248 13-07

VACUUM FURNACE FOR SINTERING CARBIDES AND OXIDES
AERE-M-963 N63-17381 15-10

GAMMA RADIATION BACKGROUND MEASUREMENTS - INSTRUMENT SELECTION
AERE-R-4137 N63-19552 19-28

SEMICONDUCTOR DIODES IN PULSE FREQUENCY MODULATION
AERE-M-983 N63-20122 20-09

VARIABLE TEMPERATURE APPARATUS FOR MEASURING MAGNETIC SUSCEPTIBILITY - GOUY APPARATUS
AERE-R-4186 N63-20692 21-23

X-RAY LINE WIDTH CORRECTION TABLES AND PEAK HEIGHT FOR ALPHA-1 ALPHA-2 DOUBLING EFFECT
AERE-R-4218 N63-22851 23-23

PRODUCTION OF VACUUM BY CONDENSATION OF GASES ON LOW TEMPERATURE SURFACES - CRYOGENIC PUMP
AERE-TRANS-915 N63-23371 24-11

ATOMIC POWER DEVELOPMENT ASSOCIATES, INC., DETROIT, MICH.

SODIUM HEATED STEAM GENERATOR AND SODIUM COOLED REACTORS/LIQUID METAL COOLED REACTOR/
TID-18072 N63-18001 16-23

FAST REACTOR FUEL CYCLE COSTS AND TEMPERATURE COEFFICIENTS OF REACTIVITY FOR PLUTONIUM DIOXIDE-STAINLESS STEEL & PLUTONIUM-URANIUM DIOXIDE SYSTEM
APDA-154 N63-22732 23-23

ATOMICS INTERNATIONAL, CANOGA PARK, CALIF.

TEMPERATURE COEFFICIENTS & SPECTRA IN HYDRIDE MODERATED SNAP REACTORS
NAA-SR-7140 N63-11825 04-06

OXIDATION OF URANIUM CARBIDE BY CARBON DIOXIDE
NAA-SR-7482 N63-11826 04-07

REPROCESSING OF IRRADIATED URANIUM CARBIDE REACTOR FUEL
NAA-SR-7511 N63-11827 04-07

PULSE HEATING OF ZIRCONIUM-URANIUM HYDRIDES
NAA-SR-7398 N63-12155 05-19

LINEAR POWER DETECTION AND RECORDING INSTRUMENT SYSTEMS FOR KINETIC EXPERIMENTS ON WATER BOILERS
NAA-SR-7077 N63-12208 05-15

DIFFUSIVITY OF TITANIUM CARBIDE AND THERMO-CONDUCTIVITY OF TITANIUM NITRIDE FOR NOZZLE APPLICATION
AI-8058 N63-12299 05-15

APPLICATION OF SNAP-2 TO MANNED ORBITAL SPACE STATIONS
AI-7950 N63-12311 05-06

STATISTICAL ANALYSIS OF SNAP-10A THERMOELECTRIC CONVERTER ELEMENT PROCESS DEVELOPMENT VARIABLES
NAA-SR-7288 N63-12742 06-06

PERFORMANCE OF CESIUM THERMIONIC DIODES OPERATED IN SERIES-PARALLEL CIRCUITS
NAA-SR-7661 N63-12765 06-09

EFFECT OF DECOMPOSITION ON CRITICAL HEAT FLUX OF NUCLEAR REACTOR COOLANTS
NAA-SR-7954 N63-13027 07-13

PULSE HEATING OF MODIFIED ZIRCONIUM-URANIUM HYDRIDES TO DESTRUCTION
NAA-SR-7736 N63-13034 07-26

HIGH TEMPERATURE PHASE TRANSFORMATION IN BERYLLIUM OXIDE
NAA-SR-7654 N63-13207 07-19

THERMODYNAMICS OF REFRACTORY METAL CARBIDES, BORIDES AND NITRIDES FOR USE IN NOZZLES - REDUCTION OF PYROMETER DATA SCATTER
N63-13549 08-15

NUCLEAR REACTOR KINETICS, STABILITY AND CONTROL - BIBLIOGRAPHY
NAA-SR-7786 N63-14022 09-23

REFLECTED REACTOR KINETICS - TRANSFER FUNCTION DERIVATION
NAA-SR-7263 N63-14342 10-23

TRANSMISSION OF THERMAL NEUTRON THROUGH CADMIUM COVERED FOILS
NAA-SR-7770 N63-14561 10-13

CAPSULE IRRADIATION OF UNALLOYED URANIUM AT HIGH TEMPERATURES - FUEL DEVELOPMENT FOR SODIUM COOLED REACTORS
NAA-SR-7098 N63-14661 10-26

SNAP AEROSPACE SAFETY PROGRAM
NAA-SR-8097 N63-14664 10-06

AEROSPACE SAFETY DEVICES OF SNAP PROGRAM
NAA-SR-7797 N63-14724 11-06

LARGE SPACE RADIATORS IN FIELD OF ELECTRIC PROPULSION N63-14746 11-06

CORRELATION OF LIQUID FRACTION IN TWO-PHASE FLOW APPLIED TO LIQUID METALS
NAA-SR-8171 N63-14959 11-11

NIOBIUM DIFFUSION BARRIER FOR ALUMINUM-CLAD URANIUM ALLOY FUEL ELEMENTS
NAA-SR-7973 N63-14963 11-17

AUTORADIOMETRIC SYSTEM FOR DIFFERENTIATING BETWEEN NORMAL OR ENRICHED URANIUM OR URANIUM ALLOYS
NAA-SR-7752 N63-14970 11-15

SODIUM BOILING & CONDENSING FOR HIGH TEMPERATURE HEAT TRANSFER - LIQUID METAL COOLED REACTOR
N63-15007 11-13

HIGH-TEMPERATURE LIQUID METAL HEAT TRANSFER - APPARATUS FOR DETERMINING HEAT TRANSFER OF POOL AND FORCED CONVECTION BOILINGS OF MERCURY
N63-15015 11-13

HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER - COMPONENTS FOR SNAP 2 LIQUID COOLED REACTOR, PUMP, HEATER, FLOW TRIMMER, RADIATOR-CONDENSER
N63-15020 11-13

SURVEY OF METEOROID PROPERTY AND DISTRIBUTION DATA RELEVANT TO SYSTEM FOR NUCLEAR AUXILIARY POWER & REACTOR AND SHIELD DESIGN
NAA-SR-8127 N63-15415 12-32

ELECTRIC PROPULSION WITH SNAP SYSTEMS
NAA-SR-7085 N63-15905 13-27

MAGNETIC SUSCEPTIBILITIES OF MOLTEN BISMUTH-BISMUTH IODIDE SOLUTIONS
NAA-SR-8085 N63-16559 14-23

SYSTEM FOR NUCLEAR AUXILIARY POWER PROGRAM - REACTOR SAFETY - SHIELDING
NAA-SR-7432 N63-16934 14-06

SYSTEM FOR NUCLEAR AUXILIARY POWER SHIELD TEST EXPERIMENT REACTOR
NAA-SR-7368 N63-16939 14-06

ELECTROMAGNETIC PUMP FOR LIQUID METAL COOLING

SYSTEM OF NUCLEAR REACTORS USING HELICAL ROTORS AS INDUCERS
NAA-SR-7455 N63-17245 15-17

EQUIPMENT FOR CONTINUOUS MEASUREMENT OF VOID FRACTION IN BOILING ORGANIC COOLANT - NUCLEAR REACTOR COOLANTS
NAA-SR-7875 N63-17250 15-13

SYSTEMS FOR NUCLEAR AUXILIARY POWER PROJECT - RELIABILITY N63-17280 15-06

THERMIONIC CONVERTERS FOR NUCLEAR POWERPLANTS
NAA-SR-7144 N63-17443 15-06

URANIUM FUEL ELEMENT ARRANGEMENTS IN TRIANGULAR, GRAPHITE LATTICE NUCLEAR REACTOR - CRITICAL LOADINGS AND FUEL ELEMENTS
NAA-SR-7541 N63-17477 15-23

CARBURIZATION OF AUSTENITIC STAINLESS STEEL BY URANIUM CARBIDES IN SODIUM SYSTEMS
NAA-SR-6246 N63-17695 16-18

THERMAL PROPERTIES OF REFRACTORY MATERIALS - HEAT CONDUCTION N63-17740 16-18

ELECTRICAL CONDUCTIVITIES OF MOLTEN BISMUTH/BISMUTH TRIIODIDE
NAA-SR-8086 N63-17962 16-18

REACTOR TECHNOLOGY & SAFETY - LIQUID METAL COOLED, HALLAM POWER, ORGANIC MODERATED AND POWER REACTORS
NAA-SR-7400 N63-18010 16-23

DETERMINATION OF CARBON IN SODIUM BY ISOTOPE DILUTION AND MASS SPECTROMETRY
NAA-SR-7918 N63-18180 16-07

HAZARDS THAT MAY OCCUR BEFORE, DURING AND AFTER THE FLIGHT OF SNAP 10A NUCLEAR REACTOR - THERMAL SHOCK
NAA-SR-8304 N63-18265 17-06

HALLAM NUCLEAR POWER FACILITY - REACTOR OPERATIONS ANALYSIS PROGRAM
NAA-SR-8401 N63-18821 18-23

STATISTICAL ANALYSIS OF HOT CHANNEL FACTORS FOR COMPACT SNAP REACTORS
NAA-SR-8468 N63-18884 18-23

GROWTH OF BERYLLIUM OXIDE CRYSTAL FROM SILICON, ALUMINUM, AND OTHER IMPURITIES
NAA-SR-8235 N63-19221 18-07

MELTING PROPERTIES OF SILVER NITRATE TO 10,000 ATM PRESSURE
NAA-SR-8422 N63-19741 19-07

SYSTEM FOR NUCLEAR AUXILIARY POWER PROGRAM/SNAP 8/ REACTOR AND SHIELD DESIGN
AIAA PAPER-63033 N63-20723 21-06

STEADY STATE THERMAL GRADIENT FOR GROWTH OF BERYLLIUM OXIDE SINGLE CRYSTALS IN A MOLTEN FLUX
N63-21210 21-25

DECARBURIZATION OF CAST URANIUM CARBIDE BY HEATING IN HYDROGEN
NAA-SR-7921 N63-21442 22-23

CLAD CARBIDE NUCLEAR FUEL THERMIONIC CONVERTERS
AI-8672 N63-21816 22-26

SODIUM COOLED NUCLEAR REACTOR SAFETY
NAA-SR-7909 N63-22093 22-16

AEROSPACE NUCLEAR SAFETY FOR SNAP PROGRAM - REENTRY, IMPACT, AND HAZARDS
NAA-SR-8303 N63-22359 23-16

OPERATOR ALGEBRA FOR DESCRIPTION OF CRYSTAL STRUCTURES IN IDEAL CLOSEST PACKED STRUCTURES
NAA-SR-8377 N63-22661 23-23

INFLUENCE OF CARBON CONTENT ON THERMAL EXPANSION OF ARC-CAST URANIUM MONOCARBIDE
NAA-SR-8538 N63-22662 23-13

MAGNETIC PULSE SWAGING - ELIMINATING FUEL-CLADDING ANNULUS IN FUEL RODS OF URANIUM DIOXIDE PELLETS
NAA-SR-8263 N63-22675 23-

INORGANIC MOTOR INSULATORS IN SPACE ENVIRONMENT - HIGH TEMPERATURE AND IRRADIATION EFFECTS
N63-22699 23-

PLASTIC DEFORMATION OF URANIUM CARBIDE CRYSTALS - FLOW BEHAVIOR OF URANIUM CARBIDE SINGLE CRYSTALS AT HIGH TEMPERATURES UNDER COMPRESSION LOADING
NAA-SR-8108 N63-22816 23-

WATER REFLECTED, UNDERMODERATED, ZIRCONIUM HYDRIDE CRITICAL ASSEMBLIES - SNAP PROGRAM
NAA-SR-8490 N63-22971 23-

PREPARATION OF URANIUM METAL BY CARBON REDUCTION IN VACUUM
NAA-SR-8507 N63-23519 24-

ROLE OF PHOSPHOROUS IN GROWTH OF BERYLLIA SINGLE CRYSTALS - CRYSTAL HABIT MODIFICATION & PHOSPHATE CONCENTRATION, TEMPERATURE & FLUX COMPOSITION
NAA-SR-8361 N63-23525 24-1

ROLE OF BORON IN GROWTH OF BERYLLIUM OXIDE SINGLE CRYSTALS
NAA-SR-8403 N63-23648 24-1

AUBURN U., ALA.
EFFECT OF THICKNESS AND TEMPERING TEMPERATURE ON FRACTURE TOUGHNESS OF STEEL SHEET
N63-20003 19-1

HEAT TREATMENT OF HIGH STRENGTH STEEL FOR FRACTURE TOUGHNESS N63-20004 19-1

FRACTURE TOUGHNESS OF STEEL SHEET BY CRACK PROPAGATION METHODS N63-20005 19-1

AUCKLAND U. /N. ZEALAND/.
ELECTRON DENSITY IN THE IONOSPHERE AFTER THE HIGH ALTITUDE NUCLEAR EXPLOSION N63-10486 01-1

IONOSPHERE IRREGULARITIES N63-10688 02-1

VARIATIONS IN FADING PERIOD OF RADIO SIGNALS FROM EXPLORER VII SATELLITE USED TO STUDY ELECTRON DENSITY IRREGULARITIES IN THE IONOSPHERE
N63-21372 22-1

AUERBACH CORP., PHILADELPHIA, PA.
BEACON PROCESSING EQUIPMENT DESIGN FOR AIR TRAFFIC CONTROL N63-20168 20-0

AUTOMATION INDUSTRIES, INC., TORRANCE, CALIF.
ULTRASONIC INSPECTION EQUIPMENT AND TECHNIQUES FOR DETERMINING AIRCRAFT CORROSION
N63-10084 01-1

ULTRASONIC TECHNIQUES FOR ACOUSTICAL AND METALLURGICAL FLAW DETECTION
ASD-TDR-62-8 N63-15710 12-1

AUTONETICS, ANAHEIM, CALIF.
ON-BOARD DIGITAL COMPUTERS FOR SPACE VEHICLE SYSTEMS N63-21439 22-1

HUMAN COMPENSATORY TRACKING PERFORMANCE AS A FUNCTION OF FILTER TIME CONSTANT AND CONTROL GAIN
N63-23259 24-1

AUTONETICS, DOWNEY, CALIF.
PERMANENT MAGNETS AS PRECISION INSTRUMENT ELEMENTS
N63-11005 03-1

SPACECRAFT COMPUTERS FOR CONTROL, NAVIGATION, AND DATA PROCESSING N63-13016 07-2

CORIOLIS EFFECTS ON OPERATOR MOVEMENTS IN ROTATING SPACECRAFT N63-13017 07-1

TECHNIQUES OF ANALYSIS OF RANDOM AND COMBINED RANDOM-SINUSOIDAL VIBRATION N63-16092 13-3

AVCO CORP., NEW LONDON, CONN.
UNDERWATER SOUND PROPAGATION - OCEANOGRAPHY, SONA

SOUND FIELD, OCEAN MODEL N63-11763 04-23

AVCO CORP., NEW YORK, N.Y.
AXISYMMETRIC DYNAMIC BUCKLING OF CLAMPED SHALLOW SPHERICAL SHELLS N63-10851 02-33

RADIATION, RECESSION AND TEMPERATURE OF PLASTIC AND COMPOSITE MATERIAL SURFACES N63-14341 10-19

NUCLEAR RADIATION EFFECTS IN IMPACT DETECTOR, TRIGGER CIRCUIT AND DIRECT CURRENT AMPLIFIER
GA-4395 N63-20017 19-09

AVCO CORP., STRATFORD, CONN.
HIGH STRENGTH PRESSURE VESSEL FORMING FROM MATERIAL IN METASTABLE AUSTENITE CONDITION N63-15650 12-18

AVCO CORP., WILMINGTON, MASS.
ABLATION MECHANISMS OF CHARRING POLYMERS DURING HYPERSONIC REENTRY N63-10099 01-19

GENERATION AND EFFECT OF ELECTROSTATIC FIELDS DURING AURORAL DISTURBANCE
RAD-TM-62-88 N63-10189 01-12

RELIABILITY AS A THERMOSTRUCTURAL DESIGN CRITERION N63-10388 01-34

BIOLUMINESCENCE AS A PHYSIOLOGICAL INDEX N63-10397 01-20

ENTRY OF SPACE VEHICLES INTO PLANETARY ATMOSPHERES
RAD-TM-62-20, PT. 1 N63-10746 02-30

ELASTIC BUCKLING OF CONICAL SHELLS UNDER COMBINED LOADING N63-10837 02-33

MATERIALS FOR ROCKET NOZZLES N63-10919 02-13

EFFECT OF TUNGSTEN POWDERS ON PLASMA SPRAYED AND SINTERED STRUCTURES N63-10963 02-18

VAPORIZATION, SURFACE TENSION, AND VISCOSITY STUDIES OF REFRACTORY METALS
WADD-TR-60-463, PT. II N63-11227 03-18

POLAR CAP AND AURORAL ZONE ABSORPTION DURING THE FIRST SIX MONTHS OF THE INTERNATIONAL GEOPHYSICAL YEAR
RAD-TR-62-64 N63-11859 04-12

EFFECT OF SOLAR FLARES ON ELECTRON DENSITY OF IONOSPHERE
RAD-TR-62-58 N63-12795 06-28

EQUIVALENT SYSTEMS METHOD FOR EVALUATING RELIABILITY OF ONE-SHOT WEAPONS SYSTEMS N63-15342 12-01

SOUNDING ROCKET PAYLOAD FOR WAKE GENERATOR TEST - ASSEMBLY, SAFETY, HOLD, & LAUNCH PROCEDURES
TDM-W-11,774, REV. 1 N63-15424 12-04

INFRARED AEROSOL SCATTERING - ANGULAR SCATTERING DIAGRAMS FOR REFRACTIVE INDEX 1.5
RAD-TR-63-9 N63-15439 12-25

HIGH FREQUENCY COMMUNICATIONS SYSTEM FOR POLAR REGION - RADIO PROPAGATION AND IONOSPHERIC ABSORPTION
RADC-TDR-63-112 N63-15669 12-08

FORECASTING ANOMALOUS RADIO PROPAGATION AT HIGH LATITUDES - ABSTRACTS
RAD-TR-63-15 N63-15861 13-08

ENTROPY-LAYER THEORY FOR PRESSURE DISTRIBUTION IN HYPERSONIC FLOW FIELD
RAD-TM-62-79 N63-16025 13-11

MICROSTRUCTURE TESTING OF POLYCRYSTALLINE ALUMINUM AND MAGNESIUM OXIDES
RAD-SR-62-219 N63-16176 13-18

MICROSTRUCTURE OF POLYCRYSTALLINE REFRACTORY OXIDES - ALUMINUM AND MAGNESIUM OXIDES
RAD-SR-63-29 N63-16177 13-18

IMAGE FURNACE TECHNIQUES AND INSTRUMENTATION
AFCRL-63-73 N63-16475 14-10

HIGH TEMPERATURE TRANSPORT PROPERTIES OF NITROGEN, HYDROGEN, OXYGEN, AND AIR
RAD-TM-63-7 N63-16525 14-13

BEHAVIOR OF PLASTIC AND COMPOSITE MATERIALS N63-16786 14-19

FLOW IN WAKE OF SLENDER HYPERSONIC VEHICLES
RAD-TM-63-33 N63-17180 15-11

ENDURANCE TESTING OF 30-KW ARC JET ENGINE HAVING RADIATION COOLING
AIAA PAPER-63-274 N63-17807 16-27

MEASUREMENT OF HEAT TRANSFER ON FLAT PLATE-STEP MODEL AT MACH 14
RAD-TM-63-40 N63-17899 16-13

MAGNETOHYDRODYNAMIC BOUNDARY LAYER AND HEAT TRANSFER OF A CONDUCTING FLUID PAST A CYLINDRICAL BODY
AIAA PAPER-63-202 N63-17919 16-24

RELIABILITY PHYSICS - PHYSICS OF FAILURE N63-18306 17-33

RELIABILITY ENGINEERING - FAILURE RATE N63-18307 17-33

DICTIONARY OF PHYSICAL AND CHEMICAL FAILURE MECHANISMS N63-18308 17-33

RELIABILITY ENGINEERING - FAILURE CRITERIA N63-18309 17-33

PLASMA COMPOSITION IN THE PLUME OF A SOLID PROPELLANT ROCKET ENGINE CONTAINING CESIUM NITRATE AND POTASSIUM NITRATE
RAD-TM-63-14 N63-19186 18-27

STRENGTH OF ALUMINUM OXIDE AND MAGNESIUM OXIDE AS A FUNCTION OF GRAIN SIZE AND TEMPERATURE - REFRACTORY MATERIAL
RAD-TR-63-32 N63-19966 19-19

LIGHT SCATTERING BY SPHERICAL AEROSOLS IN INFRARED
RAD-TR-63-26 N63-20064 20-23

SOLUTION OF NONSIMILIAR, NONEQUILIBRIUM VISCOUS FLOW EQUATIONS FOR REENTRY VEHICLE WAKES N63-23086 24-11

RADIATION FROM ARC HEATED PLASMA - HIGH TEMPERATURE NITROGEN N63-23483 24-24

AVCO-EVERETT RESEARCH LAB., EVERETT, MASS.
UNSTEADY HYPERSONIC WAKE BEHIND SPHERES
BSD-TDR-62-105 N63-10068 01-02

RADIATION AND IONIZATION PROBLEMS IN REENTRY N63-10237 01-28

DISSIPATION IN HIGH TEMPERATURE PLASMAS
AMP-93 N63-10618 02-24

THE MAGNETOHYDRODYNAMICALLY SUPPORTED HYPERSONIC SHOCK LAYER
AVCO-EVERETT RES. REPT.-140 N63-10758 02-11

SHOCK TUBES FOR HIGH-TEMPERATURE GAS KINETICS
AVCO-EVERETT RES. REPT.-141 N63-10886 02-23

SHOCK TUBE STUDY OF THE RECOMBINATION OF OXYGEN BY ARGON CATALYSTS AT HIGH TEMPERATURE
AVCO-EVERETT RES. REPT.-142 N63-10887 02-07

RADIATION FROM REENTRY BODY AT SUPERORBITAL VELOCITIES - SHOCK TUBE STUDIES
IAS-PAPER-63-77 N63-12898 07-13

ACTIVE RADIATION SHIELDING OF SPACECRAFT AND DISCUSSIONS OF ELECTROSTATIC AND MAGNETIC FIELD UTILIZATION
AMP-94 N63-13354 08-23

SHOCK TUBES FOR STUDY OF PHYSICAL AND CHEMICAL

REACTIONS - BIBLIOGRAPHY
AMP-92 N63-13672 08-23

UPPER CRITICAL FIELD OF NIOBIUM-ZIRCONIUM AND NIOBIUM-TITANIUM ALLOYS
BSD-TDR-63-62 N63-14201 09-18

INDUCTION METHOD USED TO MEASURE RESISTANCE OF HIGHLY CONDUCTIVE MATERIALS WITHOUT DIRECT ELECTRICAL CONNECTION
BSD-TDR-63-60 N63-14209 09-25

VIBRATIONAL WAVE FUNCTIONS AND OVERLAP INTEGRALS OF VARIOUS BAND SYSTEMS
AVCO-EVERETT RES. REPT.-147 N63-14571 10-23

ELECTRON TRANSITION FOR AIR OXYGEN AND MOLECULAR NITROGEN IN TEMPERATURE RANGE 4000 TO 9000-DEG
AVCO-EVERETT RES. REPT.-149 N63-14894 11-23

MAGNETOHYDRODYNAMIC GENERATOR WITH SEGMENTED ELECTRODES PERFORMING UNDER NONUNIFORM AND TIME VARYING LOADS
AVCO-EVERETT RES. REPT.-148 N63-15379 12-24

HYDRODYNAMIC EFFECTS PRODUCED BY PULSE MICROWAVE DISCHARGES
AVCO-EVERETT RES. REPT.-138 N63-16511 14-11

STAGNATION-POINT HEAT TRANSFER IN PARTIALLY IONIZED DIATOMIC GAS
BSD-TDR-62-347 N63-16536 14-13

IONIZATION OF LOW DENSITY GASES BY COLLISION - THERMAL ELECTRON IMPACT
AMP-107 N63-16680 14-07

FLUID MECHANICS OF COMBUSTION-DRIVE MAGNETOHYDRODYNAMIC GENERATOR
AVCO-EVERETT RES. REPT.-145 N63-17188 15-11

STAGNATION POINT HEAT TRANSFER MEASUREMENTS IN PARTIALLY IONIZED AIR
AVCO-EVERETT RES. REPT.-143 N63-17189 15-13

CURRENT SHEET SPEED IN MAGNETIC ANNULAR SHOCK TUBE
AVCO-EVERETT RES. REPT.-152 N63-17463 15-11

EFFECTS OF HIGH INTENSITY ELECTROMAGNETIC WAVES ON TRANSPORT PROPERTIES AND PHENOMENA OF IONIZED GAS AT HIGH TEMPERATURES
AFCRL-63-127 N63-17685 16-11

MAGNETOHYDRODYNAMIC POWER GENERATION - POWER SOURCE BIBLIOGRAPHY
AMP-110 N63-17950 16-24

TRANSITION IN HYPERSONIC WAKE SHOWN BY SODIUM SCHLIEREN PHOTOGRAPHS
BSD-TDR-63-78 N63-18118 16-02

BREMSSTRAHLUNG AND ELASTIC SCATTERING OF LOW ENERGY ELECTRONS
AMP-112 N63-19712 19-23

QUASI-ONE-DIMENSIONAL MODEL FOR CHEMICALLY REACTING TURBULENT WAKES OF HYPERSONIC OBJECTS
BSD-TDR-63-153 N63-19761 19-11

CONTINUUM INFRARED RADIATION FROM AIR AND NITROGEN SHOCK HEATED TO EQUILIBRIUM TEMPERATURE OF 6000 TO 9000-DEG
AVCO-EVERETT RES. REPT.-154 N63-19911 19-11

MAGNETOHYDRODYNAMIC SHOCK WAVE STRUCTURE IN PARTIALLY IONIZED HYDROGEN - ELECTRON TEMPERATURE OF NEUTRAL PARTICLES BY SOFT X-RAY TECHNIQUE
AVCO-EVERETT RES. REPT.-153 N63-20060 20-24

MULTI-TEMPERATURE BOUNDARY LAYER IN ARGON PLASMA SHEATH
AIAA PAPER-63-460 N63-20635 20-23

SEEDING GRAPHITE INERT GAS HEATER FOR MAGNETOHYDRODYNAMIC STUDIES
BSD-TDR-63-109 N63-20826 21-19

VARIATIONAL THEORY OF THREE-BODY ELECTRON-ION RECOMBINATION RATES
AVCO-EVERETT RES. REPT.-158 N63-20946 21-22

HIGH SPEED SCANNING DEVICE FOR TRANSVERSE RADIATION MEASUREMENTS OF LUMINOUS HYPERSONIC WAKES
AVCO-EVERETT RES. REPT.-155 N63-22200 23-11

AUDIOFREQUENCY RESISTANCE OF NONIDEAL SUPERCONDUCTORS - FLUX TRAPPING AS LOSS MECHANISM
AVCO-EVERETT RES. REPT.-161 N63-22201 23-22

CRITICAL CURRENT AND FIELD IN NON-IDEAL SUPERCONDUCTORS
AVCO-EVERETT RES. REPT.-162 N63-22202 23-22

MAGNETIC ENERGY STORAGE USING SUPERCONDUCTING COILS N63-22286 23-03

VERY HIGH POWER ROCKET-DRIVEN MAGNETOHYDRODYNAMIC GENERATOR N63-22291 23-22

HIGH MAGNETIC FIELD STRENGTH SUPERCONDUCTING COILS
AVCO-EVERETT RES. REPT.-160 N63-22846 23-03

KRAMER & LINE RADIATION FROM NITROGEN & AIR SHOCKS IN EQUILIBRIUM & NONEQUILIBRIUM CONDITIONS - DEFENDER PROJECT
NASA-CR-51850 N63-23008 24-11

NONEQUILIBRIUM & EQUILIBRIUM RADIATION AT LUNAR & INTERPLANETARY VEHICLE REENTRY VELOCITIES
NASA-CR-51743 N63-23019 24-38

MEASUREMENT OF GROWTH & SYMMETRY OF LUMINOUS HYPERSONIC WAKE BEHIND BLUNT BODIES
AVCO-EVERETT RES. REPT.-163 N63-23096 24-11

THREE-BODY RECOMBINATION RATE CONSTANTS FROM CURVE OF VARIATIONAL THEORY
AMP-119 N63-23097 24-03

REENTRY PHYSICS - CONVECTIVE AND RADIANT HEATING OF HEAT SHIELD-PAYLOAD FRACTIONS N63-23236 24-02

HEATING EFFECT ON SPACECRAFT REENTRY AT SUPERSONIC SPEED - DECELERATOR PROBLEMS N63-23315 24-11

POPULATION INVERSION BETWEEN BOUND AND REPULSIVE MOLECULAR ELECTRONIC STATES BY TWO-TEMPERATURE EQUILIBRIUM - ULTRAVIOLET LASER APPLICATION
AVCO-EVERETT RES. REPT.-164 N63-23343 24-21

MAGNETOHYDRODYNAMIC HALL GENERATOR WITH WIRE ELECTRODES
AVCO-EVERETT RES. REPT.-165 N63-23433 24-09

B

BABCOCK AND WILCOX CO., LYNCHBURG, VA.
UPGRADING ANALOG COMPUTER ANALYSIS OF SAVANNAH NUCLEAR SHIP REACTOR POWERPLANT
BAW-1260 N63-12457 06-20

SPECTRAL SHIFT CONTROL REACTOR BASIC PHYSICS - NUCLEAR PROPERTIES OF SLIGHTLY ENRICHED LATTICES MODERATED BY DEUTERIUM OXIDE - WATER MIXTURES
BAW-1266 N63-15823 13-23

MEASUREMENT OF RATIO OF EPICADMIUM TO SUBCADMIUM ABSORPTION IN URANIUM OXIDE LATTICES - THERMAL ACTIVATION METHOD
BAW-2168 N63-17445 15-23

NUCLEAR PROPERTIES OF URANIUM OXIDE LATTICES MODERATED BY HEAVY WATER
BAW-1271 N63-18828 18-23

FAST FLUX LIQUID METAL LOOP IN ADVANCED TEST REACTOR /ATR/
IDO-24041/SUPPL. 1/ N63-19343 18-01

DESIGN CRITERIA FOR THERMAL FLUX LIQUID METAL PACKAGE LOOP IN ADVANCED TEST REACTOR
IDO-24042 N63-22838 23-30

BADGER /W.L./ ASSOCIATES, INC., ANN ARBOR, MICH.
POTABLE WATER RECOVERY FROM AQUEOUS WASTES DEVELOPED IN FALLOUT SHELTER N63-17607 16-16

BAIRD-ATOMIC, INC., CAMBRIDGE, MASS.
INFRARED INTERFEROMETRY AND OPTICAL MASERS - VOL I
AFCRL-63-288, VOL. I N63-14359 10-25

INFRARED INTERFEROMETRY AND OPTICAL MASERS - VOL. II
AFCRL-63-288, VOL. II N63-14360 10-25

SOLAR BLIND PHOTOMULTIPLIERS FOR THE ULTRAVIOLET RADIATION SPECTRUM - METALLIC CATHODES
N63-20857 21-23

BAJA INST. OF ASTRONOMY /HUNGARY/.
TRACK DETERMINATION OF ARTIFICIAL EARTH SATELLITES FROM VISUAL OBSERVATIONS N63-15454 12-32

BALDWIN-LIMA-HAMILTON CORP., PHILADELPHIA, PA.
HIGH TEMPERATURE STRAIN GAGE N63-23068 24-15

BARKLEY AND DEXTER LABS., INC., FITCHBURG, MASS.
GRAVITY MEASURING TECHNIQUES USING PENDULUMS
AFCRL-63-665 N63-20241 20-15

BARNES ENGINEERING CO., STAMFORD, CONN.
ULTRAVIOLET OBJECTIVE SPECTROGRAPH FOR HAND OPERATION BY MERCURY ASTRONAUT
BEC-4674 N63-13640 08-15

ULTRAVIOLET RADIOMETER FOR AUTOMATIC MEASUREMENTS OF SURFACE TEMPERATURES IN 1000 TO 2500-DEG C REGION
ASD-TR-61-487 N63-16853 14-15

INDUSTRIAL DERIVATIVES FROM SPACE PROGRAM - NASA
N63-21147 21-01

WEATHER SATELLITE SPECTROMETER - INFRARED AND ELECTRO-OPTICAL INSTRUMENTATION
BEC-4696 N63-21387 22-21

ATMOSPHERIC ATTENUATION MEASUREMENT - TRANSMISSOMETER, RADIOMETRIC & PHOTOMETRIC DATA ON REENTRY BODIES - DAMP PROJECT
DR-31 N63-22476 23-08

BARRINGER RESEARCH LIMITED, REXDALE /CANADA/.
DETERMINATION OF PHYSICAL PROPERTIES OF GROUND BY DICON METHOD
AFCRL-62-1018 N63-10191 01-12

BASEL U. /SWITZERLAND/.
ENERGY LEVELS OF THE NITRIC OXIDE MOLECULE BY ABSORPTION SPECTRA
AFCRL-62-1016 N63-10214 01-07

ABSORPTION SPECTRUM OF THE NITRIC OXIDE MOLECULE
AFCRL-62-1118 N63-11020 03-07

ABSORPTION SPECTRUM OF NITRIC OXIDE MOLECULE
AFCRL-63-822 N63-19974 19-23

BATTELLE INST., FRANKFURT AM MAIN /W. GERMANY/.
SHORT WAVE RADIO PROPAGATION - NARROW BAND GAIN, STABLE RECEIVER DEVELOPMENT AND IONOSPHERIC DOPPLER EFFECT MEASUREMENTS N63-21673 22-09

BATTELLE MEMORIAL INST., COLUMBUS, OHIO.
ELECTRON-BEAM WELDING OF TUNGSTEN
DMIC-MEMO-152 N63-10102 01-17

HUMAN-INITIATED MALFUNCTIONS AND SYSTEM PERFORMANCE EVALUATION
AMRL-TDR-62-105 N63-10203 01-14

IDENTIFICATION OF MICROCONSTITUENTS IN SUPERALLOYS
DMIC-MEMO-160 N63-10282 01-18

A HYDROGEN DIFFUSION CATHODE FOR USE IN A WATER ELECTROLYSIS CELL
AMRL-TDR-62-94 N63-10283 01-16

SAFETY OF HIGH-PRESSURE OXYGEN SYSTEMS FOR LIFE SUPPORT IN AEROSPACE VEHICLES
AMRL-TDR-62-102 N63-10451 01-16

CLADDING URANIUM OXIDE FUEL ELEMENTS WITH BERYLLIUM BY GAS-PRESSURE BONDING
BMI-1602 N63-10747 02-18

EMITTANCE AND ABSORPTANCE IN COATINGS FOR SPACE APPLICATIONS N63-10918 02-13

RADIATION EFFECTS IN GALLIUM ARSENIDE
N63-10927 02-23

EFFECTS OF SPACE RADIATION ON ELECTRONIC COMPONENTS N63-10928 02-09

STEELS FOR LARGE SOLID-PROPELLANT ROCKET MOTOR CASES
DMIC-178 N63-11120 03-27

EVALUATION OF SPECIAL METAL PROPERTIES
N63-11458 03-18

TITANIUM AND TITANIUM ALLOYS N63-11579 04-18

PRODUCTION OF SHORT-LIVED INTRINSIC RADIOTRACERS FOR INDUSTRY PROCESS CONTROL
BMI-1606 N63-11729 04-17

THERMAL RADIATIVE PROPERTIES OF SELECTED MATERIALS INCLUDING TITANIUM ALLOYS, STAINLESS STEELS, SUPERALLOYS, REFRACTORY METALS, AND COATINGS
DMIC-177, VOL. 1 N63-11915 04-13

THERMAL RADIATIVE PROPERTIES OF SELECTED MATERIALS
DMIC-177, VOL. 2 N63-11916 04-13

MATERIALS SELECTION FOR LARGE SOLID ROCKET MOTOR CASES BASED ON WEIGHT, MISSION, LOAD, AND ENVIRONMENT
DMIC-180 N63-11964 05-27

ELECTRON MICROSCOPIC FRACTOGRAPHY IN METALLURGY
DMIC-MEMO-161 N63-12184 05-33

LOW-CARBON HIGH-NICKEL MAR-AGING STEELS
DMIC-MEMO-162 N63-12296 05-18

PURE CHROMIUM - MECHANICAL PROPERTIES & PRODUCTION
N63-12380 06-18

PROCESSING EFFECTS ON THE STRENGTH AND MICRO-STRUCTURE OF CERAMICS MADE FROM PRESSED SINTERABLE MAGNESIA POWDERS
ASD-TDR-62-700 N63-12406 06-19

JOINING OF NICKEL-BASE ALLOYS
DMIC-181 N63-12583 06-18

HIGH TEMPERATURE IRRADIATION TEST OF URANIUM DIOXIDE CERMET FUELS
BMI-1608 N63-12687 06-26

EFFECTS OF NEUTRON IRRADIATION AND ELEVATED TEMPERATURES ON 2 TYPE 347 STAINLESS STEEL
BMI-1609 N63-12998 07-18

RADIATION EFFECT IN POLYMERS AND GRAFT POLYMERIZATION BY ELECTRON PARAMAGNETIC RESONANCE
BMI-1610 N63-12999 07-19

GUIDE TO SCIENTIFIC AND TECHNICAL LITERATURE OF EASTERN EUROPE
NSF-62-49 N63-13064 07-01

REACTIONS OF TITANIUM WITH GASEOUS AND LIQUID OXYGEN UNDER SIMULATED SPACE FLIGHT CONDITIONS - IMPACT SENSITIVITY
DMIC-MEMO-163 N63-13071 07-26

IRRADIATION OF ALUMINUM OXIDE COATED URANIUM OXIDE FUEL
BMI-1613 N63-13208 07-23

REACTOR MATERIALS, FUEL ELEMENTS, IRRADIATION AND RELATED SUBJECTS
BMI-1603/DEL./ N63-13309 07-01

REACTOR R&D FOR CIVILIAN APPLICATIONS - FUELS, MATERIALS, RADIOISOTOPES, COATINGS, AND RADIATION EFFECTS
BMI-1607/DEL./ N63-13373 08-01

FRACTURE TOUGHNESS OF STAINLESS STEEL FOR SUPERSONIC TRANSPORT
DMIC-MEMO-164 N63-13503 08-33

YIELD POINT IN ZIRCALOY-2 AT ELEVATED TEMPERATURES BY TENSILE STRENGTH, INTERNAL-FRICTION, AND ELECTRON MICROSCOPY
BMI-1616 N63-13574 08-18

ANNEALING STUDIES ON IRRADIATED TYPE 347 STAINLESS STEEL FROM ENGINEERING TEST REACTOR PRESSURE TUBE
BMI-1621 N63-13973 09-18

EFFECT OF BETA RADIATION ON CATALYTIC ACTIVITY OF CYCLOHEXANOL DEHYDRATION CATALYST
BMI-1620 N63-14280 10-23

USES FOR DEPLETED URANIUM AND NONENERGY USES FOR NATURAL URANIUM - SHIELDING, AMMUNITION, WEAPONS, AND COUNTER WEIGHTS
DMIC-MEMO-165 N63-14283 10-18

TRANSIENT RADIATION EFFECTS ON ELECTRONIC COMPONENTS AND SEMICONDUCTOR DEVICES - GAMMA RAYS AND NEUTRONS
REIC-26 N63-14566 10-09

FISSION PRODUCT MIGRATION INTO AND RELEASE FROM IRON-20 W/O CHROMIUM ALLOY
BMI-1611 N63-14719 11-18

THERMODYNAMIC & TRANSPORT PROPERTIES OF POTASSIUM FOR USE IN HIGH TEMPERATURE HEAT TRANSFER - LIQUID METAL COOLED REACTOR N63-15005 11-13

NOTCH SENSITIVITY OF TANTALUM, NIOBIUM, MOLYBDENUM REFRACTORY METALS - IMPACT PROPERTIES, FRACTURE TOUGHNESS, CRACK PROPAGATION N63-15094 11-18

OSCILLATING CYLINDER VISCOMETER TO MEASURE VISCOSITY OF LIQUID POTASSIUM FROM 70 TO 1150-DEG C
BATT-4673-T1 N63-15253 12-18

THERMODYNAMIC AND TRANSPORT PROPERTIES OF POTASSIUM N63-15397 12-18

FISSION GAS-RELEASE FROM URANIUM DIOXIDE DURING AND AFTER IRRADIATION
BMI-1623 N63-15531 12-23

NOTCH SENSITIVITY OF REFRACTORY METALS - NIOBIUM, TUNGSTEN, TANTALUM, MOLYBDENUM, AND MOLYBDENUM-TITANIUM ALLOYS
ASD-TDR-62-1004 N63-15689 12-18

EFFECT OF HEAT TRANSFER ON CORROSION OF FERROUS ALLOYS IN BOILER WATERS
BMI-1626 N63-15790 13-18

EFFECT OF NUCLEAR RADIATION ON TRANSDUCERS AND ESTIMATION OF VALUES OF RADIATION THRESHOLDS
REIC-25 N63-15866 13-15

NUCLEAR ENERGY FOR CIVILIAN APPLICATION - REACTOR MATERIALS, RADIOACTIVE ISOTOPES
BMI-1619/DEL./ N63-15965 13-26

EFFECT OF HIGH BORON BURNUPS ON BORON CARBIDE AND ZIRCONIUM BORATE DISPERSIONS IN ALUMINUM OXIDE AND ZIRCALOY-2
BMI-1627 N63-15969 13-17

DEVELOPMENT OF MATERIAL FOR THERMAL ENVIRONMENT N63-16063 13-17

DEVELOPMENT OF PROCEDURE FOR WELDING 2-INCH-THICK TITANIUM ALLOY - NAVY PROGRAM N63-16204 13-18

OXIDATION RESISTANCE OF URANIUM DIOXIDE MICROSPHERES COATED WITH OXIDES OF ALUMINUM, BERYLLIUM OR MAGNESIUM
BMI-1625 N63-16387 14-07

CIVILIAN APPLICATIONS OF REACTOR TECHNOLOGY - RADIOSCOPE, RADIATION, FUELS, AND REACTOR MATERIAL
BMI-1614/DEL./ N63-16447 14-23

SILICIDE PROTECTIVE COATINGS FOR TANTALUM ALLOYS
ASD-TDR-63-232 N63-16455 14-18

BINARY AND TERNARY PHASE DIAGRAMS OF NIOBIUM, MOLYBDENUM, TANTALUM AND TUNGSTEN
DMIC-183 N63-16586 14-18

DYNAMIC BEHAVIOR OF VTOL & STOL POWER TRANSMISSION SHAFTS OPERATING AT HYPERCRITICAL SPEEDS - SHAFT DESIGN - STRUCTURAL DYNAMICS N63-16610 14-34

IRRADIATION EVALUATION OF EXPERIMENTAL PYROLYTIC-CARBON-COATED URANIUM CARBIDE AND URANIUM DIOXIDE FUEL PARTICLES
BMI-1628 N63-16784 14-33

RELATIONSHIP OF TWINNING TO BRITTLE FRACTURING IN REFRACTORY METALS, SINGLE AND POLYCRYSTALLINE MOLYBDENUM AND NIOBIUM
ASD-TDR-63-360 N63-16904 14-18

EFFECT OF IMPURITIES AND CRYSTAL STRUCTURE ON TENSILE TRANSITION TEMPERATURE OF CHROMIUM
NASA-CR-50094 N63-17213 15-18

HARDNESS BEHAVIOR OF CHROMIUM ALLOYS - BINARY ALLOYS CONTAINING TRANSITION ELEMENTS
NASA-CR-50154 N63-17218 15-18

CYCLING FATIGUE BEHAVIOR OF MATERIALS FOR SUPERSONIC TRANSPORTS - TENSILE STRESS-STRAIN DATA
NASA-CR-50365 N63-17221 15-33

SOLID PROPELLANT ROCKET ENGINES - MATERIAL TESTING FOR NOZZLE EFFICIENCY N63-17239 15-33

MICROELECTRONICS R&D N63-17362 15-10

CIVILIAN APPLICATIONS OF RESEARCH - REACTOR FUELS AND MATERIALS - RADIOISOTOPES - IRRADIATION - CERAMICS - FISSION PRODUCTS
BMI-1624/DEL./ N63-17440 15-07

STRUCTURAL ANALYSIS OF REFRACTORY ALLOYS - CHROMIUM, MOLYBDENUM, AND TUNGSTEN
DMIC-182 N63-17587 16-18

BIBLIOGRAPHY - PULSED RADIATION EFFECTS ON ELECTRONIC MATERIALS, COMPONENTS AND SYSTEMS
REIC-MEMO-24 N63-17715 16-01

AIR VISCOSITY AT LOW TEMPERATURE & PRESSURE - TRANSPORT PHENOMENA IN KINETIC THEORY OF GASES
AEDC-TDR-63-143 N63-17756 16-11

RHEOLOGY OF LUBRICANT IN CONTACT ZONE OF ROLLING CONTACT SYSTEM N63-17876 16-17

TANTALUM ALLOYS - STRESS RUPTURE, DISPERSION, DUCTILITY, WELDING
ASD-TDR-62-594, PT. II N63-17882 16-18

NUCLEAR POWER FOR CIVILIAN APPLICATIONS
BMI-1630 N63-17999 16-01

METALLURGY OF MOLYBDENUM AND ITS ALLOYS N63-18016 16-18

MECHANICAL PROPERTIES OF ALLOYS - CRYOGENIC PROPERTIES, STRAIN RATE EFFECT, RESULTS OF FATIGUE AND FRACTURE TESTING N63-18108 16-18

AVAILABILITY & LOCATION OF EXTRA-LARGE CAPACITY FURNACES FOR HEAT TREATMENT OF HIGH STRENGTH STEEL USED IN HIGH SPEED AIRCRAFT & MISSILES
DMIC-MEMO-167 N63-18193 16-13

HIGH VELOCITY METALWORKING - BIBLIOGRAPHY
DMIC-179 N63-18251 17-17

FIRE AND TURBULENT FLOW FLAME PROPAGATION USING GAS JETS - MODEL STUDY N63-18580 17-26

CONSUMABLE-ELECTRODE ARC MELTING OF TUNGSTEN BASE ALLOYS
DMIC-MEMO-168 N63-18631 17-18

POSTIRRADIATION FISSION GAS RELEASE OF XENON 133 FROM PYROLYTIC CARBON
BMI-1634 N63-18817 18-23

URANIUM DIOXIDE FUEL ROD FABRICATION BY VIBRATIONAL COMPACTION AND PRESSURE BONDING

BMI-1637 N63-18838 18-17

ANALOG MULTIPLIER DEVELOPMENT BASED ON HALL EFFECT
AMRL-TDR-63-50 N63-18898 18-09

NOTCH SENSITIVITY OF REFRACTORY METALS
N63-18994 18-18

EFFECT OF SONIC & ULTRASONIC VIBRATIONS IN CONTROLLING GRAIN SIZE OF FERROUS ALLOYS
DMIC-MEMO-166 N63-19030 18-18

MECHANICAL AND PHYSICAL PROPERTIES OF TANTALUM AND NIOBIUM BASED ALLOYS N63-19032 18-19

RELATIONSHIP OF TWINNING TO BRITTLE FRACTURE OF REFRACTORY METALS - POLYCRYSTALLINE MOLYBDENUM-RHENIUM ALLOY, NIOBIUM N63-19376 18-18

ANALYTICAL FUNCTION FOR PREDICTING RELIABILITY OF FLIGHT CONTROL SYSTEMS
ASD-TDR-63-287 N63-19427 19-06

RADIATION EFFECTS ON ELECTRONIC EQUIPMENT, SEMICONDUCTORS, POLYMERS, FLUIDS, CERAMICS, DOSIMETRY
REIC-28 N63-19714 19-23

NONMILITARY NUCLEAR RESEARCH - CIVILIAN USES OF ATOMIC ENERGY
BMI-1632/DEL./ N63-19723 19-23

METALLURGIC DEVELOPMENTS OF BERYLLIUM AND BERYLLIUM ALLOYS N63-20030 19-18

HIGH-STRENGTH STEEL METALLURGY
N63-20148 20-18

WELDABILITY STUDIES OF THREE COMMERCIAL NIOBIUM-BASE ALLOYS - REFRACTORY METALS SHEET ROLLING PROGRAM
DMIC-MEMO-169 N63-20426 20-18

NUCLEAR RADIATION DAMAGE OF CERAMIC REACTOR FUEL
REIC-27 N63-20518 20-19

RECOVERY OF OXYGEN FROM CARBON DIOXIDE BY PHYSICO-CHEMICAL METHODS - AEROSPACE MEDICINE
N63-20568 20-16

ALKALI-SILICATE DOPED ALLOYS AS BASE MATERIALS FOR TUNGSTEN-BASE SHEET ALLOYS N63-20620 20-18

OXIDATION-RESISTANT COATINGS FOR REFRACTORY METALS
N63-20725 21-17

REFRACTORY COMPOSITES - METAL COATING, HEAT RESISTANCE, AND PLASMA SPRAYING
DMIC-184 N63-20994 21-19

METALLURGICAL RESEARCH OF TUNGSTEN AND ITS ALLOYS
N63-21015 21-18

PROPERTIES OF URANIUM MONONITRIDE FABRICATED BY ISOSTATIC HOT-PRESSING TECHNIQUE
BMI-1633 N63-21163 21-19

INFRARED RADIATION EMISSION FROM MAMMALIAN CEREBRAL CORTEX N63-21263 21-16

TITANIUM ALLOY TECHNOLOGY - AEROSPACE APPLICATIONS AND MECHANICAL PROPERTIES N63-21475 22-18

RESISTANCE OF CERAMIC FUEL-PARTICLE COATINGS TO REACTIONS WITH OXYGEN AND GRAPHITE
BMI-1647 N63-21678 22-26

FISSION-FRAGMENT INDUCED EXPANSION IN SINGLE CRYSTAL ALUMINUM OXIDE
BMI-1646 N63-21679 22-18

NIOBIUM-BASE ALLOY FOR USE IN NUCLEAR SUPERHEATER PROJECT
BMI-1636 N63-21714 22-18

HIGH-SPEED SHAFTING FOR POWER TRANSMISSION IN STOL AND VTOL AIRCRAFT N63-21840 22-04

RADIATION STABILITY OF URANIUM MONONITRIDE
BMI-1638 N63-22070 22-23

PREPARATION AND CHARACTERIZATION OF PYROLYTIC CARBON COATED FUEL PARTICLES
BMI-1643 N63-22071 22-26

EFFECT OF NUCLEAR RADIATION AT CRYOGENIC TEMPERATURE ON SEMICONDUCTOR MATERIALS
REIC-30 N63-22129 22-23

COATING PROCESSES TO DEVELOP OXIDATION RESISTANT COATINGS FOR REFRACTORY METALS
DMIC-MEMO-172 N63-22444 23-18

DETERMINATION OF TEMPERATURE HISTORY OF SOLID PROPELLANT ROCKET ENGINE NOZZLE
N63-22539 23-02

CIVILIAN APPLICATIONS OF NUCLEAR ENERGY - REACTOR MATERIALS & FUEL TESTING
BMI-1642/DEL./ N63-22622 23-23

ENVIRONMENTAL CONDITIONS SUBJECTED TO SEALED RADIATION SOURCES BY INDUSTRY
BMI-1648 N63-22623 23-01

IRRADIATION FACILITIES - STEADY STATE OR PULSED, GAMMA RAY, NEUTRON, & PARTICLE ACCELERATORS
REIC-31, PT. I N63-22634 23-23

PARTICLE ACCELERATOR FACILITIES
REIC-31, PT. II N63-22635 23-23

DOSIMETRY TECHNIQUES & DEVICES - STEADY STATE, PULSED & SPACE RADIATION ENVIRONMENTS
REIC-33 N63-22636 23-16

MOLYBDENUM AND ITS ALLOYS - CESIUM COMPATABILITY, STRESS RUPTURE, CREEP, AND PROCESSING TECHNIQUES
N63-22642 23-18

SPECIAL METAL PROPERTIES N63-22643 23-18

NICKEL AND COBALT BASE ALLOYS - WELDING, HIGH STRENGTH-HIGH TEMPERATURE ALLOYS, & DIFFUSION BONDING N63-22644 23-18

TITANIUM REACTIVITY WITH GASEOUS NITROGEN TETROXIDE UNDER SEVERE CONDITIONS OF TENSILE RUPTURE
DMIC-MEMO-173 N63-22817 23-18

CRITICAL CRACK LENGTH OF HIGH STRENGTH FLAT SHEETS AND CYLINDRICAL PRESSURE VESSELS
DMIC-MEMO-174 N63-22818 23-18

HIGH STRENGTH STEELS WITH OVER 150,000 PSI YIELD STRENGTH FOR DEEP-SUBMERGENCE HULLS
DMIC-MEMO-175 N63-22819 23-18

HIGH TEMPERATURE METAL REACTIONS - EVALUATION OF ELECTRON-EMISSION BEHAVIOR FOR DETECTION OF CARBON IN TUNGSTEN & RHENIUM
BMI-1649 N63-22904 23-18

NUCLEAR RADIATION EFFECT ON METALLIC FUELS - URANIUM, THORIUM, PLUTONIUM & THEIR ALLOYS
REIC-29 N63-22935 23-18

TITANIUM ALLOYS FOR THICK PLATES
DMIC-185 N63-23111 24-18

LOCAL ORDER & SOLID-SOLUTION STRENGTHENING IN NIOBIUM ALLOYS
ASD-TDR-63-567 N63-23112 24-18

NOTCH SENSITIVITY OF REFRACTORY METALS
N63-23165 24-18

PREPARATION AND PROPERTIES OF FIBER-REINFORCED STRUCTURAL MATERIALS
DMIC-176 N63-23361 24-33

POWDER METALLURGY - COMPRESSIBILITY, SINTERING, INFILTRATION, DISPERSION STRENGTHENING AND PLASMA SPRAYING N63-23373 24-23

NUCLEAR REACTOR TECHNOLOGY AND PHYSICS - FUELS AND MATERIALS

BMI-1639/DEL./ N63-23710 24-01

RADIATION DAMAGE TO ELECTRONIC APPARATUS AND MATERIALS
REIC-32 N63-23779 24-28

BAUSCH AND LOMB, INC., ROCHESTER, N.Y.
NON-OXIDE MATERIALS WITH DEFECT STRUCTURES
N63-11575 04-19

MAGAZINE LOADED OPTICAL FILM VIEWER USING UNIT RECORD PRINCIPLE
RADC-TDR-63-347 N63-22681 23-10

BAYLOR U., WACO, TEX.
EFFECT OF ADDITIVE ON ELECTRODEPOSITION OF CADMIUM AND ELECTRODISSOLUTION OF NICKEL
ASD-TDR-63-212 N63-14893 11-07

CATALYTIC DECOMPOSITION OF FORMALDEHYDE AND HYDROGEN PEROXIDE - CATALYTIC HYDROGENATION OF QUINONE ON PLATINIZED PLATINUM ELECTRODES
AFCRL-63-632 N63-19410 19-18

BEECH AIRCRAFT CORP., BOULDER, COLO.
INSULATING AND STRUCTURAL MATERIALS FOR LIQUID HYDROGEN FUEL TANKS
AFFTC-TR-60-43, VOL. III N63-14676 10-34

BEECH AIRCRAFT CORP., WICHITA, KAN.
AIRCRAFT REFUELING STORE MODEL 385
N63-13021 07-04

BEECHCRAFT RESEARCH AND DEVELOPMENT, INC., BOULDER, COLO.
FABRICATION METHODS - THERMAL AND HYDROSTATIC TESTING OF STAINLESS STEEL - TITANIUM LIQUID HYDROGEN FUEL TANKS FOR ROCKET ENGINES
AFFTC-TR-60-43, VOL. IV N63-17606 16-34

BEERS /ROLAND F./ INC., ALEXANDRIA, VA.
MEASUREMENT OF GROUND WAVE MOTION IN HALITE - GNOME PROJECT
PNE-128F N63-11928 04-23

BELFOUR ENGINEERING CO., SUTTONS BAY, MICH.
FATIGUE OF METALS - ALUMINUM - FATIGUE TEST DATA
ASD-TN-61-117, PT. IV N63-18721 17-33

MECHANICAL PROPERTIES OF MATERIALS - DATA RETRIEVAL SYSTEM
ASD-TDR-63-128 N63-20788 21-20

BELL AEROSYSTEMS CO., BUFFALO, N.Y.
BUCKLING PRESSURE SIMILARITY OF CONICAL AND CYLINDRICAL SHELLS N63-10838 02-33

EFFECTS OF HIGH VACUUM AND RADIATION ON POLYMERIC MATERIALS N63-10922 02-19

NONLINEAR HYPERSONIC THERMOELASTIC STABILITY AND CONTROL DERIVATIVES N63-11068 03-33

MATRIX STRUCTURE OF HEATED AIRFRAMES
N63-11079 03-34

SIMULATION PROBLEMS - MANNED LUNAR LANDING
ARS PAPER-2691-62 N63-11274 03-29

EXPULSION OF LIQUID PROPELLANT FROM TANK IN ZERO GRAVITY
SSD-TDR-62-172 N63-12843 07-26

THERMAL PROTECTION WITH TEMPERATURE CAPABILITY TO 2500-DEG F FOR COOL STRUCTURES
N63-16056 13-17

CALCULATION AND SIMULATION OF NOISE ENVIRONMENTS OF GUIDED MISSILES FOR COMPONENT TESTING
N63-16759 14-15

SMALL ROCKET LIFT DEVICE FOR MANNED SPACECRAFT - PARAGLIDER
TRECOM-TR-63-12 N63-17941 16-27

PROPULSION AND CONTROL BELT FOR ASTRONAUT MANEUVERING IN ZERO GRAVITY
D7123-953002 N63-18246 17-14

COOLING SYSTEM FOR SUPERORBITAL REENTRY
N63-18248 17-33

VISUAL SIMULATION TECHNIQUES FOR ASTRONAUTICAL FLIGHT TRAINING - HIGH RESOLUTION TELEVISION - ELECTRONIC PLANETARIUM
AMRL-TDR-63-54, VOL. 1 N63-19434 19-1

FLUID EXPULSION SYSTEMS FOR LIQUID PROPELLANT ROCKET ENGINE PROPELLANT TANKS AT ZERO GRAVITY
RTD-TDR-63-1048 N63-19447 19-2

ZERO-GRAVITY POSITIVE EXPULSION TECHNIQUES - METALLIC DEVICES FOR PROPELLANT TRANSFER
NASA-CR-50774 N63-19964 19-0

STRUCTURAL DESIGN OF V/STOL AIRCRAFT RESULTING FROM DYNAMIC LOAD PROBLEM AND NONUNIFORM FLOW OF SHROUDED PROPELLERS N63-20361 20-0

BELL AEROSYSTEMS CO., NORTH TONAWANDA, N.Y.
SPACE SCIENCE - TORQUE MODULATION AND INSTRUMENT ERROR DETECTION CONCEPTS FOR GYROSCOPES AND ACCELEROMETERS N63-16001 13-1

BELL HELICOPTER CO., FORT WORTH, TEX.
ORIGIN AND MEANS OF REDUCING HELICOPTER NOISE
TCREC-TR-62-73 N63-11749 04-0

EVALUATION OF EIGHT INCH CATHODE RAY TUBE CONTACT ANALOG PRESENTATION
D228-421-011 N63-11853 04-1

SIMULATION EVALUATION OF HEAD MOUNTED ORIENTATION DISPLAY
D228-421-012 N63-11955 05-1

GROUND EFFECT MACHINES - CONTROLLED FLOW PHENOMEN AND STABILITY
TCREC-TR-62-46 N63-12002 05-0

STIMULUS AMBIGUITY EFFECT ON DISPLAY OF ATTITUDE INFORMATION
D228-421-013 N63-12300 05-1

DEMONSTRATION PLANNING AND PROGRESS REPORT - HU-1
HELICOPTER N63-13299 07-0

ARMY-NAVY INSTRUMENTATION PROGRAM - MAN-MACHINE SYSTEM RH-2 HELICOPTER FLIGHT TEST
ANIP-6-30-62 N63-15600 12-1

ALTIMETER DISPLAYS, MECHANISM AND SENSITIVITY DEVELOPMENT
ASD-TDR-63-288 N63-18680 17-1

SECOND HARMONIC FEATHERING DEVICE ON UH-1A HELICOPTER
TCREC-TR-62-109 N63-19443 19-1

AERODYNAMICS OF HELICOPTER ROTORS IN FORWARD FLIGHT AND EFFECT OF POWER LOSS ON PERFORMANCE
N63-20353 20-0

HIGH-PERFORMANCE RESEARCH WITH HELICOPTER MODIFIED WITH UH-1B DYNAMIC COMPONENTS
TRECOM-TR-63-42 N63-23623 24-0

BELL TELEPHONE LABS., INC., MURRAY HILL, N.J.
SURFACE EFFECTS OF RADIATION ON SEMICONDUCTING TRANSISTOR CIRCUITS - RADIATION HAZARD
N63-15124 11-2

IONIZING RADIATION EFFECTS ON PLASTICS FOR COMMUNICATION SATELLITES - HIGH ENERGY ELECTRONS
N63-22692 23-0

SATELLITE SYSTEMS FOR INTERNATIONAL COMMUNICATIONS
N63-23439 24-0

MASER CROSS-RELAXATION THEORY
N63-23526 24-2

FILLING FACTOR OF TRAVELING-WAVE MASER - SINGLE O BOTH SIDES LOADED, GAIN, ISOLATOR, AND PUMP
N63-23527 24-2

MASER PROPERTIES OF CHROMIUM IN ZINC TUNGSTATE FO

L-BAND AMPLIFICATION N63-23528 24-25

MASER - GENERAL THEORY OF CROSS RELAXATION FOR SINGLE SPIN FLIP N63-23529 24-25

DIFFRACTION LIMITED RUBY OSCILLATOR N63-23791 24-25

ELL TELEPHONE LABS., INC., WHIPPANY, N.J.
DETECTION AND ANALYSIS OF ERROR IN SYSTEM RELIABILITY TESTING N63-17293 15-17

ENVIRONMENTAL RELIABILITY TESTING BY SIMULATION N63-17294 15-10

USE OF SUCCESS AND FAILURE DATA IN RELIABILITY ENGINEERING N63-17295 15-17

EFFECTS OF RADAR ON HUMAN BODY - MICROWAVE RADIATION EFFECTS N63-20589 20-16

GATHERING MICROWAVE PROPAGATION AND TRANSMISSION DATA FOR AIRBORNE COMMUNICATIONS SYSTEMS N63-20591 20-08

ELLCOMM, INC., WASHINGTON, D.C.
OXYGEN DIFLUORIDE-DIBORANE PROPELLANTS FOR USE IN SPACE PROPULSION SYSTEMS - PERFORMANCE AND SPACE STORABILITY ANALYSIS
AIAA PAPER-63-238 N63-18342 17-26

METEOROID ENVIRONMENT OF PROJECT APOLLO
NASA-CR-50783 N63-20214 20-29

LUNAR SURFACE CHARACTERISTICS - ATMOSPHERE, SURFACE MATERIAL, FEATURES, ROUGHNESS, TEMPERATURE AND LANDING SITE
NASA-CR-50850 N63-20246 20-29

SYSTEMS ENGINEERING AS TOOL TO IMPROVE MANAGEMENT OF DEVELOPMENT PROGRAMS - NASA PROGRAM N63-21151 21-06

ENDIX CORP., ANN ARBOR, MICH.
SPACECRAFT SHIELDING DESIGN BY MONTE CARLO AND IONIZATION CALCULATIONS N63-15147 11-32

ENDIX CORP., BALTIMORE, MD.
ROCKETSONDE INSTRUMENT PACKAGE FOR HIGH ALTITUDE METEOROLOGICAL SOUNDING
AFCRL-62-875 N63-11954 05-15

AIRBORNE ELECTRONIC EQUIPMENT - MICROVISION ALL-WEATHER LANDING AID N63-13367 08-04

RADIAL FLIGHT PATH CONTROLLING SYSTEM FOR AN/ASM-13 ANTENNA ANALYZER - DOPPLER NAVIGATION
RADC-TDR-63-128 N63-17627 16-09

SOLID STATE AMPLIFIERS - PARAMETRIC AMPLIFIERS, TUNNEL DIODE AMPLIFIERS AND RECEIVER SYSTEMS
ASD-TDR-63-845 N63-23137 24-08

AN/DMQ-9 ROCKETSONDE INSTRUMENT PACKAGE
AFCRL-63-841 N63-23168 24-04

ENDIX CORP., CINCINNATI, OHIO.
PIEZOELECTRIC CHARGER N63-22923 23-09

ENDIX CORP., DAVENPORT, IOWA.
CAPILLARY ACTION LIQUID OXYGEN CONVERTER FOR WEIGHTLESS SPACE ENVIRONMENT
AMRL-TDR-63-10 N63-15620 12-16

ENDIX CORP., EATONTOWN, N.J.
CERAMIC TO METAL SEALS FOR HIGH TEMPERATURE THERMIONIC CONVERTERS
RBESO-3404-3 N63-20369 20-17

ENDIX CORP., HOLMDEL, N.J.
RELIABILITY IMPROVEMENTS FOR GERMANIUM TRANSISTORS - JULY TO OCT 1962 N63-22362 23-09

RELIABILITY IMPROVEMENTS FOR GERMANIUM TRANSISTORS - OCT 1962 TO JAN 1963 N63-22363 23-09

RELIABILITY IMPROVEMENTS FOR GERMANIUM TRANSISTORS - JAN TO APRIL 1963 N63-22364 23-09

RELIABILITY IMPROVEMENTS FOR GERMANIUM TRANSISTORS - APRIL TO JULY 1963 N63-22959 23-09

BENDIX CORP., SOUTH BEND, IND.
MATERIALS PROPERTY DATA - HIGH TEMPERATURE, HIGH FRICTION MATERIALS, CORROSION RESISTANT MATERIALS AND HIGH TEMPERATURE PROTECTIVE COATINGS N63-15883 13-17

ROLLING AND EXTRUSION OF POWDER METALS - CHROMIUM-MAGNESIUM OXIDE ALLOY, OXIDATION, NITRIDATION AND EROSION RESISTANCE
ASD-TDR-63-297 N63-16905 14-18

CHROMIUM-MAGNESIA COMPOSITES - STRENGTH AND DUCTILITY OF ALLOYS N63-18190 16-18

BENDIX CORP., SOUTHFIELD, MICH.
THERMOELECTRIC COOLED, MIRROR TYPE DEWPOINT HYGROMETER FOR HIGH ALTITUDE APPLICATIONS
BENDIX RLD-2055 N63-11877 04-15

BENDIX CORP., TOWSON, MD.
AUTOMATIC LANDING SYSTEM STUDY - GROUND EQUIPMENT, SCANNING BEAM SYSTEMS, AND DATA TRANSMISSION STUDY
ASD-TR-61-114, PT. II N63-15335 12-22

BENDIX CORP., YORK, PA.
MODULAR SYSTEM INDICATORS FOR MONITORING NAVIGATIONAL AIDS OF FLIGHT CENTERS
P-372-R N63-19983 19-08

AIRCRAFT MAINTENANCE ACCESSORY TO INDICATE AIRWORTHINESS - ALARM PROJECT
TRECOM-TR-63-8 N63-20111 20-15

AUTOMATIC CHECKOUT EQUIPMENT AND MONITORING SYSTEM FOR LIGHT AIRCRAFT - ALARM PROJECT
TRECOM-TR-63-10,VOL.1 N63-20112 20-15

AUTOMATIC LIGHT AIRCRAFT READINESS MONITOR - PROJECT ALARM FLIGHT TEST DATA
TRECOM-TR-63-10,VOL.2 N63-20113 20-15

AUTOMATIC LIGHT AIRCRAFT READINESS MONITOR - INSTALLATION
TRECOM-TR-63-10,VOL.3 N63-20114 20-15

BERLIN TOWING TANK /W. GERMANY/.
HYDRODYNAMIC FORCES INFLUENCING HYDROFOIL OSCILLATION N63-15033 11-11

BERNARD ELECTRONICS CO., WASHINGTON, D.C.
MULTIPLEX TECHNIQUE FOR TELEMETRY - WAVEFORMS N63-11300 03-08

BETTIS ATOMIC POWER LAB., PITTSBURGH, PA.
APPLICATIONS OF SIMPLIFIED SPHERICAL HARMONICS EQUATIONS TO SPHERICAL REACTOR SLAB GEOMETRY
WAPD-TM-294 N63-11629 04-20

CHECK VALVE DISK MOTION DURING A FLOW TRANSIENT - CYCLIC STRESSES
WAPD-TM-323 N63-11829 04-17

REACTOR TECHNOLOGY - RADIOGRAPHING WELDS - STEAM GENERATOR STABILITY - IRRADIATION OF FUELS
WAPD-BT-27 N63-11937 04-23

STABILITY IN GLASS MODEL STEAM GENERATOR - FLOW OSCILLATIONS N63-11938 04-23

COPRECIPITATION, COEVAPORATION, COMMINUTION PROCESSES FOR FABRICATING SINTERED ZIRCONIA-URANIA PLATES N63-11939 04-23

IRRADIATION BEHAVIOR OF ZIRCONIUM OXIDE-URANIUM OXIDE FUELS N63-11940 04-23

SURFACE FINISH STANDARD FOR RADIOGRAPHING WELDS FOR INSPECTION N63-11941 04-17

COMPARISON OF SELF-ADJOINT VARIATIONAL METHOD TO 36-GROUP THERMAL SPECTRUM CALCULATIONS OF HETEROGENEOUS SYSTEMS N63-11942 04-23

CHIC NUMERICAL STUDIES FOR REACTOR THERMAL TRANSIENTS
N63-11943 04-13

CALCULATION OF COMPLEX NATURAL MODES FOR SPATIAL XENON OSCILLATIONS AND COMPARISON WITH SIMPLE APPROXIMATION
N63-11944 04-20

PRESSURIZED WATER REACTOR PROJECT - CORES, SEEDING, DECONTAMINATION, METALLURGY
WAPD-MRP-101
N63-12414 06-10

SMALL PERTURBATION MATRIX APPROACH TO STUDY OF PARALLEL CHANNEL BOILING FLOW OSCILLATIONS
WAPD-TM-342
N63-12737 06-11

RADIATION EFFECTS ON PLATE-TYPE URANIUM OXIDE REACTOR FUEL ELEMENT
WAPD-TM-332
N63-13041 07-26

FORTRAN PROGRAM FOR SOLVING TWO-DIMENSIONAL NEUTRON DIFFUSION PROBLEM - STEADY STATE VERSION - PDQ-5 PROGRAM
WAPD-TM-363
N63-13933 09-20

TWO DIMENSIONAL NEUTRON-DIFFUSION PROGRAM PDQ-5
WAPD-TM-364
N63-13934 09-20

APPLICATION OF ANALYTIC PROCEDURE OF THERMAL ANALYSIS TO SOME HIGHLY RADIOACTIVE IRRADIATED MATERIALS
WAPD-TM-350
N63-14021 09-23

MONTE CARLO FORTRAN PROGRAMS FOR CALCULATING NEUTRON ABSORPTION IN SPHERES DISTRIBUTED RANDOMLY
WAPD-TM-352
N63-14052 09-20

BENDING OF ELASTIC PLATE WITH IRREGULAR EDGE SHAPE NUMERICAL SOLUTION BY FINITE DIFFERENCE METHOD
WAPD-230
N63-15206 11-33

REACTOR TECHNOLOGY - REACTOR CORE POWERPLANT, GADOLINIUM SEPTA, SPACE-TIME SYNTHESIS PROBLEMS, CERAMIC FUEL WATER, TEFLON, & ROLLED-IN TUBE
WAPD-BT-28
N63-15261 12-10

NUMERICAL ANALYSIS OF EFFECT OF NUCLEAR REACTOR PLANT CHARACTERISTICS ON REACTOR CORE POWER DISTRIBUTION - REACTOR TECHNOLOGY
N63-15262 12-23

USE OF GADOLINIUM IN SEPTA FORM IN REACTOR CORE - REACTOR TECHNOLOGY
N63-15263 12-23

SPACE AND TIME SYNTHESIS BY VARIATION METHOD FOR REACTOR CORE DESIGN PROBLEMS - REACTOR TECHNOLOGY
N63-15264 12-23

DENSITY DETERMINATION OF CERAMIC FUEL WAFER - FUEL ELEMENT FOR REACTOR CORE - RADIATION DETERMINATION
N63-15265 12-23

THERMAL STABILITY OF TEFLON IN CONTACT WITH AUSTENITIC STAINLESS STEEL AND OTHER STRUCTURAL MATERIALS
N63-15266 12-19

METHOD FOR DEFLECTION AND STRESS ANALYSIS IN PERFORATED MATERIAL AND ROLLED-IN TUBE EFFECT - REACTOR TECHNOLOGY
N63-15267 12-33

FORTRAN PROGRAMMING - AUXILIARY SUBROUTINES
WAPD-TM-365
N63-15373 12-20

FORTRAN COMPUTER PROGRAM FOR P-3 GAMMA RAY EQUATIONS IN SLAB GEOMETRY - RADIATION SHIELDING
WAPD-TM-356
N63-16452 14-20

TIME-DEPENDENT FISSION-PRODUCT - THERMAL AND RESONANCE ABSORPTION CROSS SECTIONS
WAPD-TM-333
N63-16951 14-23

PEACEMAN-RACHMAN METHOD APPLIED TO FINITE DIFFERENCE APPROXIMATIONS OF PARTIAL DIFFERENTIAL EQUATIONS
WAPD-TM-367
N63-17103 15-20

DIGITAL COMPUTER PROGRAM FOR TWO-DIMENSIONAL BOILING FLOW WITH FLUID EXPANSION
WAPD-TM-302
N63-18263 17-11

BONDING OF PLATE TYPE FUEL ELEMENTS CONTAINING CERAMIC FUEL
WAPD-245
N63-18732 17-17

ELECTRIC CONDUCTIVITY AND THERMOELECTRIC POWER OF NEARLY STOICHIOMETRIC URANIUM DIOXIDE AT 25 TO 1100-DEG C
WAPD-270
N63-19295 18-25

INTERNAL ZIRCONIUM HYDRIDE FORMATION IN ZIRCALOY FUEL ELEMENT CLADDING UNDER IRRADIATION
WAPD-TM-351
N63-19797 19-07

XENON-133 EVOLUTION FROM SLIGHTLY IRRADIATED ZIRCONIA-URANIA PLATES
WAPD-TM-313
N63-22673 23-23

NUMERICAL APPROXIMATIONS TO SOLUTIONS OF MULTIGROUP TRANSPORT EQUATION IN INFINITE CYLINDRICAL GEOMETRICAL SHAPES
WAPD-TM-396
N63-23800 24-23

BLOCK ASSOCIATES INC., CAMBRIDGE, MASS.
DEVELOPMENT OF ROCKETBORNE INFRARED SPECTROMETER EMPLOYING PRINCIPLES OF MOCK INTERFEROMETRY
AFCRL-63-234
N63-15282 12-15

SIMULATED INTERFEROMETER FOR FOURIER TRANSFORM SPECTROMETRY WITH APPLICATION TO DIVERSE SPECTRAL REGIONS AND TO EMISSION OR ABSORPTION LINE PROFILE
N63-15283 12-15

HETERODYNE INTERFERENCE SPECTROSCOPY FOR HIGH RESOLUTION MEASUREMENT OF ABSORPTION LINES
N63-15284 12-15

DESIGN AND OPERATION OF TWO-CHANNEL, ROCKETBORNE EBERT GRATING SPECTROMETER
AFCRL-63-254
N63-15361 12-15

RESEARCH AND DEVELOPMENT OF NEW TECHNIQUES AND EQUIPMENT FOR ROCKET-BORNE SPECTRORADIOMETRIC SYSTEMS
AFCRL-63-249
N63-16464 14-15

ATMOSPHERIC RADIATION MEASUREMENTS - INFRARED SPECTROMETER
AFCRL-63-439
N63-18824 18-21

INFRARED INTERFEROMETER SPECTROMETER FOR BALLOON FLIGHT MEASUREMENT OF EARTH INFRARED HORIZON
AFCRL-63-640
N63-21159 21-23

BLOOD RESEARCH FOUNDATION CENTER, TORLONA /ITALY/.
EFFECT OF X-RAY IRRADIATION ON HEMATIC CELLS
N63-18959 18-16

BMW TRIEBWERKBAU GESELLSCHAFT, MUNICH /W. GERMANY/.
FREQUENCY ANALYZER FOR MEASURING OSCILLATIONS IN A GAS TURBINE CASING
N63-20188 20-15

GAS TURBINE CONTROL SYSTEM - MEASURING APPARATUS
N63-20189 20-15

BOEING CO., MORTON, PA.
STUDY OF TANDEN HELICOPTER FUSELAGE VIBRATION
R-275
N63-10473 01-33

GROUND EFFECT TAKEOFF AND LANDING MODEL UTILIZING GROUND CUSHION LANDING SYSTEM
TCREC-62-63, VOL. I
N63-14366 10-04

GROUND EFFECT TAKEOFF AND LANDING AIRCRAFT WITH LANDING GEAR SYSTEMS UTILIZING PERIPHERAL JET PRINCIPLE IN FORMING AIR CUSHION
TCREC-62-63, VOL. II
N63-14367 10-04

HELICOPTER ROTOR BLADE EROSION PROTECTIVE MATERIAL FOR DESERT OPERATION
R-296
N63-19171 18-17

DYNAMIC LOAD AND FUSELAGE RESPONSE EFFECTS ON VIBRATION PERFORMANCE AND LOAD CAPACITY OF HELICOPTERS
N63-20355 20-04

PERFORMANCE OF U.S. ARMY VZ-II RESEARCH AIRCRAFT - VTOL AIRCRAFT

R-219 N63-21553 22-04

IN-FLIGHT MEASUREMENT OF STEADY AND OSCILLATORY HELICOPTER ROTOR SHAFT LOADS N63-21826 22-04

BOEING CO., RENTON, WASH.

ESTIMATION OF FATIGUE LIFE FROM RANDOM BROAD BAND SONIC LOADING RESULTS OF ALUMINUM SHEET
ASD-TDR-62-501 N63-10663 02-33

MAJOR AIRFRAME COMPONENT INSTABILITY - DESIGN AND TESTING N63-10814 02-33

HEAT INTERCEPT COOLING SYSTEM FOR THE SUPERSONIC TRANSPORT - ABSORPTION OF AERODYNAMIC HEAT AND SUBSEQUENT DISCHARGE N63-14572 10-13

STRESS CORROSION ON HIGH STRENGTH STEEL ALLOY
D6-4080-2 N63-16075 13-17

MARTENSITIC STEEL ALLOYS SUSCEPTIBILITY TO STRESS CORROSION - IMMERSION TESTING
ASD-TDR-62-876 N63-16889 14-18

STRESS CORROSION TESTING OF HIGH STRENGTH STEELS - MARTENSITE ALLOY
D6-7502-3 N63-18078 16-18

SOLID STATE INFRARED DETECTION - FERROELECTRICS AND SEMICONDUCTORS
ASD-TDR-62-977 N63-23809 24-25

BOEING CO., SEATTLE, WASH.

EFFECTS OF SURFACE IRREGULARITIES ON THE HYPERSONIC AERODYNAMIC HEAT TRANSFER TO A FLAT PLATE N63-10380 01-13

LOAD, HEAT, AND COMBINED LOAD-HEAT TESTS OF HOT STRUCTURES HAVING TYPICAL EXTERNAL CONFIGRATION OF A DELTA-WING HYPERSONIC VEHICLE
ASD-TR-62-795 SECT. II N63-10705 02-17

HEAT TRANSFER METHODS AND ANALYSIS N63-11081 03-13

LARGE ALGAL SYSTEMS - CHLORELLA - CLOSED ECOLOGICAL SYSTEMS N63-11467 03-16

PLANTS FOR CLOSED ECOLOGICAL SYSTEMS AND SPACE FOOD - GAS EXCHANGE N63-11475 03-16

PLANTS AS GAS EXCHANGE MECHANISM FOR CLOSED ECOLOGICAL SYSTEM
AMRL-TDR-62-127 N63-13142 07-16

BIOLOGICAL EFFECT OF SOLAR FLARE RADIATION - LETHAL DOSE IN RATS N63-15135 11-16

SPACE PROTON DOSES AT POINTS IN HUMAN BODY - SPACECRAFT SHIELDING N63-15145 11-16

PROTON FLUXES ALONG TRAJECTORIES THROUGH INNER VAN ALLEN BELT N63-15151 11-20

CHARGE-CONTROL EQUIVALENT CIRCUIT FOR PREDICTING TRANSIENT RADIATION EFFECTS IN TRANSISTORS
D2-90389 N63-16032 13-09

SPATIAL CORRELATION IN ACOUSTIC-STRUCTURAL COUPLING AND ITS EFFECT ON STRUCTURAL RESPONSE PREDICTION TECHNIQUES N63-16083 13-33

ROAD TRANSPORT DYNAMICS N63-16084 13-17

PRACTICAL RANDOM VIBRATION MEASURING TECHNIQUES N63-16085 13-33

DIGITAL TECHNIQUE FOR SHOCK AND VIBRATION DATA ACQUISITION N63-16093 13-33

ROCKET NOISE SIMULATION WITH SUBSTITUTE GAS JETS AND EFFECT OF VEHICLE MOTION ON JET NOISE
ASD-TDR-62-787 N63-16370 14-23

MULTIPLANE VIBRATION TESTING TECHNIQUES FOR FLIGHT EQUIPMENT - FIELD ENVIRONMENT RELIABILITY N63-16763 14-10

FLOW FIELD AND MISSILE BASE HEATING OF A ROCKET EXHAUST - HEAT TRANSFER AND BASE PRESSURES
AIAA PAPER-63-179 N63-17925 16-13

DESIGN, SYSTEM REQUIREMENTS & DEVELOPMENT PLANS FOR LARGE SOLID PROPELLANT LAUNCH VEHICLES
NASA-CR-50575 N63-18333 17-27

PREDICTION OF PRESSURE VESSEL MINIMUM FATIGUE LIFE BASED ON APPLIED FRACTURE MECHANICS
D2-22437 N63-18626 17-33

NIOBIUM ALLOY AS STRUCTURAL MATERIAL FOR REENTRY VEHICLES
D2-35105 N63-18650 17-19

REENTRY WAKE OF BLUNTED HYPERSONIC NOSE CONE - SOLUTION FOR NONVISCOUS LAMINAR WAKE
D2-22040 N63-18717 17-02

NONMETALLICS FOR SUPERSONIC TRANSPORT AIRCRAFT - PLASTIC AND GLASS SEALS AND SEALANT FOR FUEL CONTAINMENT, MECHANICAL PUMPS AND TIRES N63-18973 18-19

PLOWSHARE PROGRAM, SEDAN PROJECT - MASS DISTRIBUTION AND THROWOUT IN NUCLEAR EXPLOSION
PNE-217F N63-20065 20-12

CRACK PROPAGATION OF AIRFRAME MATERIALS N63-20097 20-18

EFFECTS OF NATURAL SPACE RADIATION ON SPACECRAFT SYSTEMS LIFE - PHOTOGRAPHIC FILM DEGRADATION
D2-90037 N63-20172 20-28

TRANSIENT RADIATION EFFECTS IN ELECTRONIC PARTS AND MATERIALS
D2-9878-3 N63-20231 20-09

NEUTRON-GAMMA RATIO DEPENDENCE OF TRANSIENT RADIATION EFFECTS IN ELECTRONIC PARTS N63-20232 20-09

RESPONSE OF P-N-P-N TRANSISTOR SWITCH TO PULSED NUCLEAR RADIATION - RADIATION EFFECT N63-20233 20-09

ELECTRON PRODUCTION AND TRANSPORT IN ELECTRONIC MATERIALS IN A PULSED NUCLEAR ENVIRONMENT - RADIATION EFFECT N63-20235 20-09

CREATION OF ION PAIRS IN MATERIALS IN PULSED RADIATION ENVIRONMENTS N63-20236 20-09

ERRORS INVOLVED IN THICK-FILM HEAT TRANSFER MEASUREMENTS - CALORIMETER CALIBRATION
D2-22006 N63-20313 20-13

CONVERSION OF HUMAN WASTE BY ACTIVATED SLUDGE PROCESS - AEROSPACE MEDICINE N63-20566 20-16

TRANSIENT RADIATION SIMULATION ENVIRONMENT
D2-9878-4 N63-20812 21-23

MEASUREMENT OF KUKLA GAMMA RADIATION ENVIRONMENT BY PULSE SHAPE DOSIMETRY N63-20813 21-23

NEUTRON FLUX MEASUREMENTS OF KUKLA PROMPT CRITICAL ASSEMBLY - RADIATION MEASUREMENT N63-20814 21-23

FLASH X-RAY DOSIMETRY - RADIATION MEASUREMENT N63-20815 21-23

PREDICTION OF TRANSIENT NUCLEAR RADIATION EFFECTS ON ELECTRONIC CIRCUITS AND DEVICES
RTD-TDR-63-3007 N63-21216 21-09

HYPERSONIC HEAT TRANSMISSION TO COMPLEX AIRCRAFT CONFIGURATIONS WITH HEAT-SENSITIVE PAINT
ASD-TDR-63-530 N63-23132 24-13

RELIABILITY ENGINEERING IN MANNED SPACE SYSTEMS N63-23224 24-30

FUTURE SPACECRAFT DESIGN FOR MANNED FLIGHT N63-23241 24-30

BOEING CO., WICHITA, KAN.
HUMAN HEARING AND SPEECH DURING WHOLE-BODY VIBRATION - RESEARCH ON LOW FREQUENCY VIBRATION EFFECTS ON HUMANS
D3-3512-3 N63-16174 13-14

BOEING SCIENTIFIC RESEARCH LABS., SEATTLE, WASH.
NUMERICAL SOLUTIONS FOR ELECTRODE BOUNDARY LAYERS IN A CROSSED FIELD ACCELERATOR
D1-82-0192 N63-10082 01-24

EFFECT OF SLIP ON LAMINAR BOUNDARY LAYER NEAR LEADING EDGE OF A FLAT PLATE IN HYPERSONIC RAREFIED GAS FLOW
FLIGHT SCIENCES LAB. TM-8 N63-10089 01-11

PRECISION MEASUREMENT OF FRACTIONAL BIREFRINGENCE IN PHOTOELASTICITY
D1-82-0165 N63-10100 01-15

SCATTERED LIGHT PHOTOELASTICITY
D1-82-0202 N63-10101 01-25

TRANSVERSAL CONTOUR OPTIMIZATION OF A BODY AT HYPERSONIC SPEEDS USING DIRECT METHODS
FLIGHT SCIENCES LAB. TR-64 N63-12369 06-02

NEWTON IMPACT LAW AS MODIFIED TO EXPLAIN THE PROBLEM OF MINIMIZING DRAG OF SLENDER BODY OF REVOLUTION N63-13831 09-11

SLENDER BODY DRAG REDUCTION IN HYPERSONIC FLOW WITH NEWTONIAN PRESSURE COEFFICIENT DISTRIBUTION AND VARIABLE FRICTION COEFFICIENT
D1-82-0223 N63-14212 09-02

ANALYSIS OF DISTORTION OF PLANE, SUPERSONIC FREE JET BY A STRONG MAGNETIC FIELD
D1-82-0147 N63-14534 10-24

PROPERTIES OF PROBABILITY DISTRIBUTIONS WITH MONOTONE HAZARD RATE
D1-82-0148 N63-14656 10-20

SLENDER BODIES OF MINIMUM DRAG IN NEWTONIAN FLOW
D1-82-0224 N63-15521 12-11

SLENDER, TWO-DIMENSIONAL BODIES OF MINIMUM DRAG AT HYPERSONIC SPEEDS
D1-88-0232 N63-15753 12-02

SLENDER BODIES OF REVOLUTION HAVING MINIMAL TOTAL DRAG AT HYPERSONIC SPEED
D1-82-0230 N63-16205 13-02

ANALYSIS OF SINGULAR PERTURBATIONS OF DIFFERENTIAL EQUATIONS
D1-82-0208 N63-16351 14-20

EFFECTS OF HALL CURRENTS AND ASYMMETRIC INLET CONDITIONS IN INVISCID CONSTANT AREA CHANNEL FLOWS
DL-82-0225 N63-16450 14-24

EXACT SOLUTIONS FOR TWO-DIMENSIONAL HYDROMAGNETIC STEADY STATE FLOW
D1-82-0170 N63-16467 14-24

AXISYMMETRIC WAVES IN LINEARIZED COMPRESSIBLE FLOW - MOTION EQUATION
D1-82-0205 N63-16842 14-11

COMPRESSIBLE FLUID VISCOSITY AND GAS FLOW IN TUBES AND SLOTS
D1-82-0168 N63-16928 14-11

PARALLEL PLATE PLASMA CAPACITOR - IMPEDANCE, DENSITY AND PERTURBATION
D1-82-0173 N63-16930 14-24

TRANSVERSAL CONTOUR OF MINIMUM DRAG FOR SLENDER BODIES AT HYPERSONIC SPEED
D1-82-0242 N63-17400 15-02

ASSOCIATION OF MESON INTENSITY VARIATIONS IN COSMIC RAYS AT HIGH LATITUDE WITH SOLAR ACTIVITY AND GEOMAGNETIC DISTURBANCES
R15 N63-18737 17-12

ACCELERATION OF MAGNETOGASDYNAMIC CHANNEL FLOWS THROUGH SONIC VELOCITY - GAS DYNAMICS
D1-82-0239 N63-18750 17-11

FORCED OSCILLATION OF SHALLOW DRAFT SHIPS - INTEGRAL EQUATIONS IN FLUID MECHANICS
FLIGHT SCIENCES LAB. TR.-65 FL N63-19324 18-23

SLENDER, AXISYMMETRIC POWER BODIES HAVING MINIMUM ZERO-LIFT DRAG IN HYPERSONIC FLOW
DI-82-0275 N63-20314 20-02

ELECTRON MICROSCOPIC STUDIES OF FRACTURES IN STEEL AND ALUMINUM ALLOYS
DI-82-0169 N63-20368 20-18

SLENDER, TWO-DIMENSIONAL POWER BODIES HAVING MINIMUM ZERO-LIFT DRAG IN HYPERSONIC FLOW
DI-204-24 N63-20424 20-02

EFFECT OF FRICTION ON OPTIMUM TWO-DIMENSIONAL WINGS IN LINEARIZED SUPERSONIC FLOW
FLIGHT SCIENCES LAB. TR-78 N63-20969 21-03

MEASUREMENTS OF LUNAR TEMPERATURE VARIATIONS DURING ECLIPSE AND NORMAL LUNATION AND ISOTHERMAL MAPS OF SELECTED CRATERS N63-21621 22-29

FAST PROCEDURE FOR GENERATING EXPONENTIAL RANDOM VARIABLES
DI-82-0228 N63-21696 22-20

SECOND-ORDER THEORY OF OPTIMUM TWO-DIMENSIONAL WINGS IN SUPERSONIC FLOW INCLUDING FRICTION EFFECTS
FLIGHT SCIENCES LAB. TR-79 N63-22325 23-03

LEAKAGE CURRENT BETWEEN ELECTRODES IN LOW DENSITY GAS PLASMA N63-22689 23-24

CYLINDRICAL PLASMA LONG-WAVELENGTH CHARGE OSCILLATIONS
DI-82-0255 N63-22837 23-24

BOLKOW ENTWICKLUNGEN K.G., MUNICH /W. GERMANY/.
COMMON BOUNDARY LAYER SUCTION FOR HIGH LIFT AND FAST FLIGHT
FM-158 N63-10014 01-11

RESEARCH ON RUDDERS IN A SUPERSONIC JETSTREAM
WGL PAPER-20 N63-10018 01-03

CHEMICAL ROCKET PROPULSION FOR SPACE
WGL PAPER-53 N63-10048 01-27

GLASS FIBER REINFORCED PLASTICS FOR AIRCRAFT CONSTRUCTION OF OPTIMUM WEIGHT
N63-20164 20-19

BOLLAY /E./ ASSOCIATES, INC., SANTA BARBARA, CALIF.
ECONOMIC IMPACT OF WEATHER INFORMATION ON AVIATION OPERATIONS N63-11537 03-01

ECONOMIC IMPACT OF WEATHER INFORMATION ON AVIATION OPERATIONS N63-14825 11-21

BOLT, BERANEK, AND NEWMAN, INC., CAMBRIDGE, MASS.
FLIGHT VEHICLE STRUCTURAL VIBRATION ANALYSIS AND CONTROL, DAMPING, ACOUSTICS
ASD-TDR-62-237 N63-10882 02-33

RIBBED PANEL RESPONSE TO ACOUSTIC EXCITATION
N63-10949 02-33

ACOUSTIC RADIATION FROM A BEAM ATTACHED TO A THIN PLATE N63-10962 02-23

VIBRATIONS - FORMULAS FOR MODAL DENSITY, RESONANT FREQUENCIES & POINT IMPEDANCE OF CYLINDRICAL SHELLS N63-11583 04-33

SONIC LOAD RECORDER
ASD-TDR-62-165, VOL. I. N63-12301 05-15

THEORY FOR DYNAMIC RESPONSE OF ELECTRONIC EQUIPMENT UNDER VIBRATION AND ACOUSTIC EXCITATION
ASD-TDR-62-614 N63-13505 08-33

ACOUSTIC RADIATION EFFICIENCY OF GYPSUM

ONSTRUCTION BOARDS AND CONCRETE PANELS
N63-14048 09-23

ONLINEARITY EFFECTS IN SEVERAL CLAMPED-CLAMPED EAM VIBRATION PROBLEMS
ASA-TN-D-1872, REV. N63-14279 10-33

FFECTS OF SPECTRAL CONTENT AND DURATION OF ERCEIVED NOISE LEVEL
ASA-TN-D-1873 N63-14430 10-23

PEECH COMPRESSION SYSTEM - VOCODER SPEECH RANSMISSION FOR MILITARY COMMUNICATION
ADC-TDR-63-90 N63-15657 12-08

ETERMINING TIME-INVARIANT AND TIME-VARIANT YNAMIC CHARACTERISTICS OF PILOTS
ASA-TN-D-1897 N63-15776 13-14

ESPONSE LOAD RECORDER TO MEASURE STRAIN FATIGUE F POINT ON RESONANT STRUCTURE OF FLIGHT EHICLE - ESTIMATION OF ACOUSTIC FATIGUE DAMAGE
SD-TDR-62-165, VOL. II N63-15879 13-33

STIMATION OF SOUND-INDUCED VIBRATIONS BY ENERGY ETHODS - APPLICATION TO TITAN MISSILE
N63-16078 13-33

STIMATION OF NOISE LEVEL AT SURFACE OF ROCKET-OWERED VEHICLE N63-16079 13-23

IBRATION ENERGY LEVEL AND NOISE REDUCTION IN LIGHT VEHICLES
ASA-CR-50448 N63-17942 16-23

NALYSIS OF STRUCTURAL DAMPING FOR CONTROL OF IBRATION AND NOISE
ASA-CR-50343 N63-18147 16-23

FFECT OF ROCKET ENGINE NOISE AND VIBRATION FIELDS N PERSONNEL AND GROUND STRUCTURES - ACOUSTICS
N63-18244 17-23

DAPTIVE CHARACTERISTICS OF MANUAL TRACKING
ASA-CR-50297 N63-18286 17-14

PTIMIZATION OF PROGRAMMING - COMPUTATIONAL CHAINS ND LOOPS - EQUIVALENCE PROBLEM
FCRL-63-112 N63-18426 17-20

PTIMIZATION OF COMPUTER PROGRAMING-COMPUTATIONAL HAINS AND LOOPS N63-18427 17-20

OMPUTATIONAL CHAINS AND OPTIMIZATION OF COMPUTER ROGRAMS N63-18428 17-20

QUIVALENCE PROBLEM FOR FORMALIZING COMPUTER ROGRAMS N63-18429 17-20

SYCHOACOUSTIC SPEECH TESTS - VOICE COMMUNICATION YSTEM EVALUATION
SD-TDR-63-403 N63-19379 18-08

VIDENCE FOR NONLINEARITY AND DIRECTIONS FOR UTURE WORK WITH NONLINEAR SYSTEMS
ASA-TN-D-1872 N63-20107 20-23

IMULATION OF ACOUSTIC EXCITATION BY MECHANICAL XCITATION USING A SHAKER AND AN IMPEDANCE HEAD
N63-20311 20-23

YNAMIC RESPONSE CHARACTERISTICS OF TIME-VARYING INEAR SYSTEMS N63-20544 20-08

TATISTICAL DISTRIBUTION OF SIGNALS OF SIMPLE OMPENSATORY MANUAL CONTROL SYSTEM
SD-TDR-63-85 N63-22390 23-06

OUND RADIATED FROM TURBULENT FLOW NEAR FLEXIBLE ND RIGID BOUNDARIES
BN-1054 N63-22525 23-11

IND TUNNEL INVESTIGATION OF TURBULENT BOUNDARY AYER NOISE AS RELATED TO DESIGN CRITERIA FOR IGH-PERFORMANCE VEHICLES
ASA-CR-51730 N63-23033 24-02

OCRATIC COMPUTER SYSTEM TO AID IN TEACHING OMPLEX CONCEPTS
AMRL-MEMO-P-43 N63-23172 24-01

RANDOM VIBRATION STUDIES OF COUPLED STRUCTURES IN ELECTRONIC EQUIPMENTS
ASD-TDR-63-205 N63-23624 24-09

BOLT, BERANEK, AND NEWMAN, INC., LOS ANGELES, CALIF.
AIRBORNE VIBRATION SPECTRUM ANALYSIS - TECHNIQUES AND LIMITATION N63-16088 13-15

BOMBRINI PARODI-DELFINO S. P. A., ROME /ITALY/.
AERODYNAMIC FIELD PRODUCED BY REENTRY BY FLYING AIR IN THERMODYNAMIC EQUILIBRIUM
N63-13302 07-02

PRACTICAL CRITERIA FOR THERMAL PROTECTION OF ROCKET NOZZLES - DETERMINATION OF APPROPRIATE MATERIALS FOR JACKET & CASING INSULATION
N63-15651 12-13

BONN U., STERNWARTE /W. GERMANY/.
PHOTOIONIZATION PRODUCTS IN FOUR-POLE FIELD - MASS SPECTROMETER, FLASH PHOTOLYSIS APPARATUS DEVELOPED FOR EXTREME ULTRAVIOLET & FLUORESCENCE STUDIES
AFCRL-63-884 N63-22025 22-07

ELECTRODE COMPONENTS OF ARC DISCHARGE
N63-23479 24-24

BOOZ-ALLEN APPLIED RESEARCH, INC., BETHESDA, MD.
OPERATIONAL ANALYSIS FOR USE OF AIR CUSHION VEHICLES IN SUPPORT OF OFF-ROAD LOGISTIC MISSION
TRECOM-TR-63-37 N63-20824 21-04

APPLICATION OF MODULAR AND SECTIONAL DESIGN TO GROUND EFFECT MACHINES - MOBILITY OF LOGISTICS OVER THE SHORE CARRIER
TCREC-TR-62-41 N63-21058 21-04

CHECKOUT AND LAUNCH PROCEDURES FOR DELTA LAUNCH VEHICLE
NASA-CR-51824 N63-22883 23-21

BORDEAUX U. /FRANCE/.
MODEL OF NUCLEAR PARTICLE DECAY INTO 3 PIONS OF EQUAL MASS - FINAL STATE INTERACTION
N63-19408 19-24

BORDEN CHEMICAL CO., PHILADELPHIA, PA.
REINFORCED HIGH-TEMPERATURE ELASTOMERS - SILICON RUBBERS N63-12428 06-19

REINFORCED HIGH TEMPERATURE ELASTOMER RESEARCH
N63-15495 12-07

BORG-WARNER CORP., CHICAGO, ILL.
THERMOCONDUCTIVITY - METALS, ALLOYS AND SEMICONDUCTORS
ASD-TDR-62-74 N63-16305 13-25

TANK-MOUNTED BOOSTER PUMPS FOR PROVIDING NET POSITIVE SUCTION HEAD FOR TURBO-PUMPS OPERATING IN RADIATION ENVIRONMENT N63-22319 23-27

BORG-WARNER CORP., KALAMAZOO, MICH.
ADHESIVE BONDING OF END CLOSURES FOR HIGH STRENGTH AND RELIABILITY OF METALS IN ROCKET MOTOR CASES
N63-19611 19-34

ADHESIVE BONDING OF END CLOSURES FOR HIGH STRENGTH AND RELIABILITY IN ROCKET MOTOR CASES
SPDIR-28 N63-23190 24-30

STRESS CORROSION OF HIGH STRENGTH HIGH CARBON STEELS
SPDIR-26, SUPPL. I N63-23469 24-33

BOSTON U., MASS.
THE CORRELATION THEORY OF ELECTROMAGNETIC FIELDS
AFCRL-62-92 N63-10901 02-23

TRANSFORMATION BETWEEN CARTESIAN AND CONIC COORDINATES N63-12032 05-20

COMPUTATION OF SELENOGRAPHIC COORDINATES OF LUNAR PHOTOGRAPHS USING CONIC PROJECTION
N63-12041 05-05

IMPACTS ON THE EARTH AND MOON - METEORITES, COMETS

AND ASTEROIDS N63-12071 05-05

LUNAR MAPPING - CATALOG OF SELENOGRAPHIC COORDINATES OF LUNAR CRATERS N63-12353 06-05

SURVIVAL FACTORS UNDER PROLONGED HYPOTHERMIA - HEART RATE
AMRL-TDR-62-130 N63-13006 07-16

TEKTITES & FUSION OF SANDSTONE TO GLASS IN SOLAR FURNACE N63-14322 10-12

METEOR IONIZATION AND MASS OF METEOROIDS - ATOMIC COLLISIONS N63-16651 14-05

CRYSTAL STRUCTURE STUDIES OF MATERIALS FOR POTENTIAL USE IN SOLAR ENERGY CONVERSION
AFCRL-63-606 N63-17905 16-07

BOULTON PAUL AIRCRAFT LTD., WOLVERHAMPTON /GT. BRIT./
MANUAL CONTROL AS A STOCHASTIC PROCESS
N63-23253 24-14

BOWLES ENGINEERING CORP., SILVER SPRING, MD.
OPTIFORM, OPTICAL MACHINING OF PURE FLUID SYSTEMS IN PLASTICS - FLUID AMPLIFIER
N63-13393 08-11

INSTRUMENTATION FOR RESEARCH AND DEVELOPMENT IN PURE FLUID SYSTEMS - FLUID AMPLIFICATION
N63-13394 08-15

FLUID AMPLIFIER TO PERFORM DIGITAL LOGIC FUNCTIONS WITH SINGLE SWITCHING ELEMENT
N63-13405 08-20

TECHNIQUE FOR MATCHING FLUID COMPONENTS APPLIED TO DESIGN OF SHIFT REGISTER N63-13408 08-11

BRADDOCK, DUNN AND MCDONALD, INC., EL PASO, TEX.
BREAKDOWN UNDER HIGH POWER PULSING MICROWAVE RADIATION - DISCHARGE GROWTH IN AIR AND SULFUR HEXAFLUORIDE
RADC-TDR-63-201 N63-18151 16-23

BRANDEIS U., WALTHAM, MASS.
RELAXATION OF QUANTUM MECHANICAL SYSTEMS
N63-11191 03-23

PROPERTIES OF VERTEX FUNCTIONS OF STRONGLY INTERACTING PARTICLES - RELATIONS BETWEEN MASS AND COUPLING CONSTANT - ANOMALOUS MAGNETIC MOMENT
N63-14235 10-23

LINEAR ASPECTS OF WIGHTMAN FORMULATION OF QUANTUM FIELD THEORY IN TERMS OF VACUUM EXPECTATION VALUES OF FIELD OPERATORS N63-19647 19-23

ELECTRON PARAMAGNETIC RESONANCE OF IMPURITY IONS IN CRYSTAL LATTICES - THEORY, EXPERIMENT, SINGLE CRYSTAL PREPARATION, AND SULFUR MONOXIDE STUDY
ARL-63-126 N63-22497 23-25

THEORETICAL STUDIES OF IONIZED GASES
AFCRL-63-322 N63-23059 24-11

BRAZIL. COMISSAO NACIONAL DE ATIVIDADES ESPACIAIS.
SPACEWARN AND MOONWATCH PROGRAMS - TRANSIT AND RELAY PROJECTS - BRAZILIAN PARTICIPATION
N63-11023 03-12

BREVARD ENGINEERING COLL., MELBOURNE, FLA.
VARIABLE THRUST ROCKET ENGINE WITH CONSTANT COMBUSTION CHAMBER PRESSURE N63-23151 24-27

BRISTOL AIRCRAFT, LTD. /GT. BRIT./
CRACK RESISTANCE OF STRUCTURAL MATERIALS - CRACK PROPAGATION RATE AND RESIDUAL STRENGTH
N63-20098 20-18

BRITISH AIRCRAFT CORP., LONDON /GT. BRIT./
TURBULENT SHEAR LAYER REATTACHMENT PROBLEM WITH EMPHASIS ON BASE PRESSURE
AE-175, ISSUE 2 N63-22466 23-11

BRITISH HYDROMECHANICS RESEARCH ASSN., HARLOW.
LITERATURE REFERENCES ON IMPACT OF LIQUID DROPS ON SOLID SURFACES
BIB-13 N63-19105 18-17

ANNOTATED BIBLIOGRAPHY ON GEAR PUMPS AND MOTORS
BIB-2 N63-20048 19-17

ANNOTATED BIBLIOGRAPHY OF PUMPS FOR USE IN CHEMICAL ENGINEERING
BIB-3 N63-20049 19-17

ANNOTATED BIBLIOGRAPHY ON HYDROKINETIC POWER TRANSMISSION, FLUID COUPLINGS, AND TORQUE CONVERTERS
BIB-4 N63-20050 19-17

ANNOTATED BIBLIOGRAPHY OF NONCIRCULAR PIPES, DUCTS, & FITTINGS - CONNECTORS
BIB-6 N63-20051 19-11

BIBLIOGRAPHY - PRESSURE LOSSES IN BENDS, DIFFUSERS AND BEND-DIFFUSER COMBINATION INCLUDING BOUNDARY LAYER BEHAVIOR
BIB-7 N63-20052 19-11

BIBLIOGRAPHY - PRESSURE LOSSES IN BENDS, DIFFUSERS AND BEND-DIFFUSER COMBINATIONS INCLUDING BOUNDARY LAYER BEHAVIOR
BIB-7/SUPPL./ N63-20053 19-02

AXIAL- AND MIXED-FLOW TURBOMACHINES AND PUMPS - ANNOTATED BIBLIOGRAPHY
BIB-9 N63-20054 20-11

AXIAL AND MIXED FLOW TURBINES, COMPRESSORS, PUMPS, FANS AND BLOWERS - BIBLIOGRAPHY
BIB-10 N63-20055 20-17

SELF-PRIMING CENTRIFUGAL PUMPS AND PRIMING METHODS FOR CENTRIFUGAL PUMPS - BIBLIOGRAPHY
BIB-11 N63-20056 20-17

BIBLIOGRAPHY ON SIDE-CHANNEL PUMPS
BIB-12 N63-20057 20-17

BRITISH INTERNAL COMBUSTION ENGINE RESEARCH ASSN., SLOUGH.
EFFECT OF LOW COMPRESSION TEMPERATURE ON COMBUSTION IN DIESEL ENGINES - INLET VALVE TIMING, INLET TEMPERATURE, AND FUEL INJECTION
ATR-3 N63-21407 22-26

BRITISH PETROLEUM CO., LONDON /GT. BRIT./
ESTER-BASED HIGH TEMPERATURE LUBRICANTS FOR GAS TURBINE AIRCRAFT ENGINES N63-17850 16-17

BRITISH SPACE DEVELOPMENT CO., LTD., LONDON.
CIVIL APPLICATION OF SPACE FLIGHTS IN EUROPE - COMMUNICATIONS SATELLITES N63-18945 18-01

BRITISH WELDING RESEARCH ASSN., CAMBRIDGE.
INFLUENCE OF ALLOYING ELEMENTS ON COOLING TRANSFORMATION AND WELDABILITY OF BINARY AND TERNARY ALLOYS OF IRON - PARTS I AND II
N63-15096 11-18

UNSTABLE CRACK PROPAGATION IN METALS - CLEAVAGE AND FAST FRACTURE N63-20092 20-18

BROOKHAVEN NATIONAL LAB., UPTON, N.Y.
GALAXIES AND THEIR RADIO EMISSIONS
BNL-710/T-247/ N63-10772 02-05

EQUILIBRIUM DISTRIBUTION OF URANIUM AND CERIUM BETWEEN LIQUID BISMUTH-MAGNESIUM ALLOY & TERNARY EUTECTIC CHLORIDE MIXTURE
BNL-639/T-2010/ N63-12333 05-07

RADIATION DAMAGE IN GRAPHITE - NUCLEAR REACTIONS
BNL-745/T-270/ N63-12334 05-19

RADIATION PROCESSING - COBALT 60 GAMMA IRRADIATION OF URANIUM AND HYDROCARBONS
BNL-753/T-278/ N63-12335 05-07

EXTENDING GAMMA DOSAGE RANGE MEASURING CAPABILITY OF FRICKE DOSIMETER
BNL-763/T-284/ N63-12336 05-15

AUTOMATIC LIQUID-NITROGEN TRANSFER SYSTEM FOR REACTORS

L-764/T-285/ N63-12337 05-17

UTRON CROSS SECTIONS AND RELATED NEUTRON
NSTANTS - ABSTRACTS - RUSSIAN TRANSLATIONS
L-768/N-7/ N63-12338 05-23

L CONFERENCE PAPERS - HIGH ENERGY ACCELERATORS,
NCHRONTRON, PHASOTRON, CYCLOTRON, PLASMA, IONS
L-767/C-36/ N63-12925 07-23

TERACTION OF HIGH ENERGY PARTICLES IN BUBBLE
AMBER STUDIED BY SPARK CHAMBER LABELING OF
ACKS
L-746/T-272/ N63-13551 08-23

LYNOMIALS ENCOUNTERED IN STUDY OF DISTRIBUTION
NCTION OF SPACINGS OF EIGENVALUES OF RANDOM
TRIX
L-757/T-280/ N63-13552 08-20

APHITE USE IN AIR-COOLED NUCLEAR REACTORS AND
OBLEMS OF OXIDATION, RADIATION AND ENERGY
ORAGE
L-758/T-281/ N63-13553 08-19

CLEAR PHYSICS, REACTORS, CHEMICAL ENGINEERING,
LLURGY, RADIATION & ENGINEERING - PROGRESS
PORT
L-759/S-62/ N63-14890 11-01

OGRAM REQUIREMENTS AND DESIGN OF 300 TO 1000-BEV
CELERATOR - SHIELDING, KINETICS, PROTON BEAM
L-772/T-290/ N63-14947 11-15

OGRAM REQUIREMENTS FOR 300 TO 1000-BEV
CELERATOR - BIBLIOGRAPHY - PROTON BEAM
N63-14948 11-15

SIGN STUDY FOR 300 TO 1000-BEV ACCELERATOR -
IELDING, PROTON BEAM KINETICS, PARTICLE
TECTION AND IDENTIFICATION N63-14949 11-15

ERMAL NEUTRON SCATTERING LAW AND HEAT EFFECTS
L-770/T-288/ N63-14951 11-23

GH TEMPERATURE LIQUID METAL HEAT TRANSFER FOR
QUID METAL COOLED REACTORS IN CONJUNCTION WITH
AP PROJECT
L-756/C-35/ N63-15001 11-13

GH TEMPERATURE HEAT TRANSFER LIQUID METAL COOLED
ACTOR - BOILING POTASSIUM HEAT TRANSFER IN FORCE
NVECTIVE FLOW - LOOP DESIGN AND DEVELOPMENT
L-6142 N63-15013 11-13

GH TEMPERATURE LIQUID METAL HEAT TRANSFER - EDDY
FFUSIVITY EFFECT - EQUATIONS FOR CALCULATING
AT TRANSFER COEFFICIENTS
L-6149 N63-15024 11-13

DIATION HAZARD OF HEAVY GALACTIC COSMIC RAYS -
UTERON MICROBEAM STUDY N63-15132 11-28

VIEW OF NONLINEAR REACTOR DYNAMICS PROBLEMS
L-774/T-291/ N63-16376 14-23

GULAR DISTRIBUTION OF SCATTERED NEUTRONS AND
ODUCTS OF NUCLEAR REACTIONS
L-400, VOL. I N63-17773 16-23

DIATION PROGRAM SUMMARIES - DOSIMETRY, HALOGEN
MPOUND, POLYMERS, MONOMERS, GAMMA RADIATION, AND
UTRON TRANSMUTATION
L-790/C-37/ N63-18295 17-07

ODUCTION OF SPECIAL RADIOISOTOPES USING REACTOR
RADIATION
L-6407 N63-18987 18-09

GH TEMPERATURE LIQUID METAL TECHNOLOGY - FLUID
NAMICS, HEAT TRANSFER, PHYSICAL PROPERTIES
L-814/PR-3/ N63-20614 20-18

GH ENERGY RADIATION - PROPERTIES, DETECTORS,
DIATION CHEMISTRY, UNITS OF MEASUREMENT, &
FECTS ON MATERIALS
L-748/T-274/ N63-20926 21-23

GH PRESSURE POLYMERIZATION BY GAMMA RADIATION -
TEST CELL, INSTRUMENTATION
BNL-796/T-305/ N63-20958 21-07

COMPUTER PROGRAM FOR EVALUATION OF ATOMIC LEVEL
WIDTHS
BNL-794/T-303/ N63-22232 23-23

URANIUM DETERMINATION AT MICROGRAM LEVELS BY
DERIVATIVE POLAROGRAPHY
BNL-800/T-307/ N63-22233 23-07

ATMOSPHERIC MISUSE AND SMOKE DIRECTION, DISPERSION
AND WIND DIRECTION
BNL-784/T-298/ N63-22389 23-12

HIGH-TEMPERATURE LIQUID-METAL TECHNOLOGY REVIEW
BNL-825/PR-4/ N63-23177 24-18

BROWN ENGINEERING CO., INC., HUNTSVILLE, ALA.
RADIO FREQUENCY TRANSMISSION THROUGH A PLASMA
GENERATED IN NOSE REGION OF HIGH VELOCITY GROUND-
TO-AIR MISSILE N63-10687 02-08

AERODYNAMIC HEATING OF AXISYMMETRIC REENTRY BODY
AT HYPERSONIC VELOCITIES N63-10694 02-20

PLANCKS RADIATION EQUATION INTEGRATED - A TABLE
N63-10695 02-20

PROJECTED AREAS OF AXISYMMETRIC SURFACE SECTIONS
FOR SEVERAL GEOMETRIC FIGURES
N63-10696 02-20

ELECTROMAGNETIC WAVE PROPAGATION IN WEAKLY IONIZED
PLASMA N63-10697 02-24

FLARED-CONE PROJECTED AREAS N63-10698 02-20

FORTRAN PROGRAM TO CALCULATE ATMOSPHERIC
PROPERTIES N63-10726 02-20

ELECTROMAGNETIC INTERACTION WITH THE WAKE OF
REENTRY BODIES, PREDICTION MODEL
N63-10727 02-24

CONTACT DISCONTINUITIES BETWEEN BARS AND ELASTIC
FOUNDATION N63-10728 02-33

DEVELOPMENT AND ANALYSIS OF COMPRESSIBLE, INVISCID
FLOW THEORY USING THE THREE INDEPENDENT VARIABLE
METHOD N63-10729 02-11

FORTRAN PROGRAM FOR BALLISTIC MISSILE TRAJECTORY
FROM BURNOUT TO IMPACT N63-10940 02-20

REFLECTION AND TRANSMISSION COEFFICIENTS FOR
PLASMA LAYER
R-46 N63-16790 14-24

FORTRAN COMPUTER PROGRAM FOR VEHICLE TRAJECTORIES
R-48 N63-16839 14-29

MATHEMATICAL MODELS FOR DESIGN OF CONVERGENT
NOZZLE AND PREDICTION OF THRUST COEFFICIENT FOR
ISENTROPIC FLOW USING IBM 1401 FORTRAN PROGRAMS
NASA-CR-50411 N63-18372 17-34

FORTRAN PROGRAM FOR CALCULATING SPACECRAFT
TRAJECTORIES THROUGHOUT BURNOUT
R-37 N63-19378 18-29

FORTRAN SUBROUTINE TO CALCULATE ATMOSPHERIC
CONDITIONS AT VARIOUS ALTITUDES
R-45 N63-20036 19-20

FORTRAN PROGRAM FOR TRAJECTORIES OF BALLISTIC
VEHICLES
R-54 N63-20037 19-20

CALIBRATION OF PHOTOGRAPHIC MEASUREMENTS
R-53 N63-20041 19-23

NUMERICAL COMPUTATION OF TRANSMISSION & REFLECTION
COEFFICIENTS OF INHOMOGENEOUS PLASMA LAYER -
APPLICATION TO TELEMETRY PROBLEM IN REENTRY
R-51 N63-20440 20-24

PATTERN & PROPERTIES OF FLOW AROUND VEHICLE BASED
ON IDEAL GAS BEHAVIOR UNDER VARIABLE SPECIFIC

HEATS & REDUCED PRESSURES
R-8 N63-20501 20-11

FORTRAN SUBROUTINE TO CALCULATE SHAPE & LOCATION OF DETACHED SHOCK WAVES ON DIGITAL COMPUTER
R-31 N63-20517 20-11

COLLECTIVE BEHAVIOR OF METALLIC-FREE ELECTRON GAS IN TERMS OF DENSITY DISTRIBUTION - EFFECT OF PLASMONS IN METAL
R-68 N63-20950 21-25

CHARACTERISTIC RELATIONS OF COMPRESSIBLE FLOW WITH THREE INDEPENDENT VARIABLES
NASA-CR-51298 N63-21317 21-11

NONTHERMAL RADIO NOISE FROM JUPITER - EMISSION OF INTENSE RADIO WAVES AND HIGH LEVELS OF MICROWAVE RADIATION
R-60 N63-21425 22-05

FORTRAN COMPUTER PROGRAM TO DESIGN PLUG NOZZLE BY USING RAO MAXIMUM THRUST THEORY
NASA-CR-51301 N63-21914 22-27

FORTRAN PROGRAM FOR DESIGN OF PURE EXTERNAL AND INTERNAL-EXTERNAL EXPANSION PLUG NOZZLES
NASA-CR-51300 N63-22139 22-02

TEMPERATURE DEFICIENCY OF A HEAT TRANSFER CALORIMETER
NASA-CR-51299 N63-22140 22-13

FORTRAN PROGRAM TO CALCULATE BESSEL FUNCTIONS OF INTEGRAL INDEX AND COMPLEX ARGUMENT
R-59 N63-22562 23-20

SATURN V BOOSTER SI-C STAGE RECOVERY FEASIBILITY STUDY
R-65 N63-22563 23-30

MASS & LIQUID LEVEL DIFFERENCE BETWEEN TWO TANKS INTERCONNECTED BY A TUBE - EQUATIONS FOR APPLICATION TO SPACEFLIGHT & NON-SPACEFLIGHT
NASA-CR-52023 N63-22879 23-11

FORTRAN COMPUTER PROGRAM FOR COMPUTING TRANSMISSION, REFLECTION, AND ABSORPTION COEFFICIENTS OF INHOMOGENEOUS PLASMA LAYER
R-52 N63-23062 24-24

FORTRAN PROGRAM TO COMPUTE ANGLE-OF-ATTACK HISTORY OF REENTRY VEHICLE SUBJECTED TO EXTERNAL CONTROL MOMENT
R-71 N63-23424 24-02

BROWN U., PROVIDENCE, R.I.

VISCOSITY OF SUPERHEATED STEAM UP TO 275-DEG C
BRN-1-P N63-10092 01-13

VISCOSITY OF GASES BY OSCILLATING DISK METHOD
BRN-2-P N63-10093 01-23

ESTIMATE OF HEAT TRANSFER FROM THE REAR OF AN IMMERSED BODY TO THE SEPARATED FLOW REGION
ARL-62-423 N63-10477 01-13

THEORY OF ELASTIC STABILITY AND POSTBUCKLING, TENSOR ANALYSIS
C11-80 N63-10755 02-20

SECOND-ORDER SOLUTIONS FOR SUPERSONIC FLOW OVER CRUCIFORM SURFACES
CM-1019 N63-11049 03-02

STABILITY OF VISCOUS FLOW BETWEEN ROTATING CYLINDERS - PRESSURE GRADIENTS
N63-11298 03-11

EFFECT OF TENSILE CREEP AND LOW AMPLITUDE LATERAL OSCILLATIONS ON DYNAMIC MODULUS OF ALUMINUM
N63-11574 04-33

VISCOSITY OF NITROGEN, HELIUM, NEON, AND ARGON AT LOW TEMPERATURES AND HIGH PRESSURES
BRN-3-P N63-11774 04-23

LINEARIZATION IN PROBLEMS OF FINITE PLASTIC FLOW
C11-85 N63-12582 06-33

IONIZATION UPSTREAM OF STRONG SHOCK WAVE BY RADIATION FROM HOT NONEQULIBRIUM REGION DOWNSTREAM OF SHOCK
CM-1020 N63-12604 06-11

INVESTIGATIONS OF SURFACE PROPERTIES OF SILICON AND OTHER SEMICONDUCTORS
AFCRL-62-949 N63-12643 06-25

EXPERIMENTAL TECHNIQUES FOR PREPARING METAL OR SEMICONDUCTOR SURFACES FOR USE IN ADSORPTION STUDIES N63-12675 06-25

THERMAL STRESS IN VISCOELASTIC SOLIDS
N63-13291 07-33

VARIATIONAL PRINCIPLES IN LINEAR THEORY OF VISCOELASTICITY N63-13308 07-20

LONGITUDINAL IMPACT ON VISCO-PLASTIC RODS - STRAIN ANALYSIS N63-14675 10-33

UNIFORM SECOND ORDER SOLUTION FOR SUPERSONIC FLOW OVER DELTA WING USING REVERSED FLOW INTEGRAL EQUATIONS
CM-1034 N63-14921 11-03

ELECTRON MICROSCOPY OF TITANIUM CARBIDE CRYSTALS
DA-G36 N63-15054 11-18

ULTRASONIC METHODS FOR STUDYING FATIGUE AND DEFORMATION IN SINGLE CRYSTALS OF ALUMINUM AND SODIUM CHLORIDE - STRUCTURAL DEFECTS
ASD-TDR-62-186 N63-15806 13-33

SPHERICAL SHELL UNDER POINT LOADS AT ITS POLES
C11-75 N63-16244 13-33

FLOW BETWEEN CONCENTRIC ROTATION CYLINDERS - NOTE ON NARROW GAP APPROXIMATION /FLOW EQUATIONS/
N63-16358 14-02

VISCOSITY OF ARGON-HELIUM MIXTURES
BRN-4-P N63-16407 14-11

VISCOSITY OF CARBON DIOXIDE IN REGION OF CRITICAL POINT
BRN-5-P N63-16408 14-11

BIREFRINGENT COATING TECHNIQUE FOR STUDYING WAVE PROPAGATION THROUGH A STRUCTURE - CONSTRUCTION OF HIGH SPEED CAMERA AND LIGHT SOURCE
AROD-2571-3 N63-16694 14-33

BEHAVIOR OF METALS UNDER IMPACT AT HIGH TEMPERATURE N63-16713 14-18

PHOTOELECTRIC WORK FUNCTION AND OXYGEN ADSORPTION PROPERTIES OF NIOBIUM SINGLE CRYSTALS
AFCRL-62-949/SUPPL./ N63-17083 15-25

FLOW AND FRACTURE IN METAL AND PLASTIC STRUCTURAL MATERIALS
ARPA-E6 N63-17177 15-33

STRESS FUNCTIONS IN CONTINUUM MECHANICS
N63-17525 16-20

STABILITY OF INVISCID FLUID BETWEEN ROTATING CYLINDER WITH AXIAL FLOW - SMALL GAP APPROXIMATION
N63-17536 16-11

DIFFERENTIAL EQUATION ANALYSIS IN ASYMPTOTIC TREATMENT OF STABILITY OF VISCOUS FLOW BETWEEN ROTATING CYLINDERS N63-17599 16-11

FREE ENERGY AND ENTROPY PRODUCTION OF LINEAR VISCOELASTIC SOLIDS
C11-87 N63-18075 16-25

MINIMUM WEIGHT DESIGN OF STATICALLY INDETERMINATE BEAMS SUBJECTED TO SYSTEM OF FIXED LOADS AND MOVING LOADS - WEIGHT ANALYSIS
C11-86 N63-18349 17-34

ULTRASONIC INSPECTION - ALUMINUM AND SODIUM CHLORIDE SINGLE CRYSTAL DEFORMATION AND STRESS CYCLING - DEFECT FORMATION
ASD-TDR-62-186, PT. II N63-18393 17-25

CHEMICAL KINETICS - REACTION OF POTASSIUM WITH METHYL BROMIDE IN CROSSED MOLECULAR BEAMS
N63-18563 17-07

SQUID PROJECT - VISCOSITY OF AMMONIA-ARGON MIXTURES
BRN-6-P N63-19046 18-11

CRYSTAL STRUCTURE OF BORON TRIFLUORIDE DIHYDRATE - HYDROGEN BONDING PATTERNS N63-19056 18-25

EQUILIBRIUM OF EXTENDED DISLOCATIONS WITHIN EDGE DISLOCATION DIPOLES N63-19349 18-25

REVERSE FLOW INTEGRAL METHODS FOR SECOND-ORDER SUPERSONIC FLOW THEORY
CM-1033 N63-19454 19-11

GREENS FUNCTION IN THE THEORY OF HOMOGENEOUS ISOTROPIC VISCOELASTIC MEDIUM
N63-19670 19-25

INTERNAL FRICTION OF SMALL DIAMETER QUARTZ WIRES FOR USE IN OSCILLATING DISK GAS VISCOSITY MEASUREMENT - SQUID PROJECT
BRN-7-P N63-19929 19-25

DUCTILITY OF METALS - CRACK PROPAGATION
N63-20087 20-18

DETERMINING SPECIFIC SURFACE ENERGIES OF SOLIDS BY QUANTITATIVE CLEAVAGE - DOUBLE CANTILEVER BEAM CLEAVAGE AND CRACK PROPAGATION
DA-G400 N63-20708 21-25

FAR-FLOW MODEL OF PRECURSOR IONIZATION PROFILES AHEAD OF HYPERSONIC SHOCK FRONT - PHOTOIONIZATION
N63-21204 21-11

RAREFIED GAS DYNAMICS - LOW DENSITY FLOW NEAR LEADING EDGE OF FLAT PLATE IN HYPERSONIC STREAM
N63-21598 22-11

DIFFRACTION OF ELECTROMAGNETIC WAVES BY CYLINDRICAL OBSTACLE
AFCRL-63-344 N63-22920 23-08

VARIATIONAL PRINCIPLES OF MIXED BOUNDARY VALUE FOR GENERAL LINEAR ELASTIC SOLID
N63-23700 24-23

BRUSH BERYLLIUM CO., CLEVELAND, OHIO.
INTERMETALLIC COMPOUNDS FOR VERY HIGH TEMPERATURE APPLICATIONS - BERYLLIDES
BBC-115 N63-14621 10-07

INTERMETALLIC COMPOUNDS FOR HIGH TEMPERATURE APPLICATION
WADD-TR-60-889, PT. II N63-17689 16-18

ZONE REFINED BERYLLIUM RECRYSTALLIZED IN WIRE FORM FROM REDUCED BERYLLIUM AND TESTED FOR TENSILE PROPERTIES N63-19985 19-17

BRUSSELS U. /BELGIUM/.
THERMODYNAMIC STUDY OF TIN AND LEAD SULFIDES WITH MASS SPECTROMETER - VAPORIZATION OF ALLOYS AND COMPOUNDS AT HIGH TEMPERATURES
WADD-TR-60-782, PT. VII N63-14879 11-07

VAPORIZATION OF COMPOUNDS AND ALLOYS AT HIGH TEMPERATURES - MASS SPECTROMETRY, IONIZATION CROSS SECTIONS, DISSOCIATION, AND EVAPORATION
N63-14880 11-07

CORRELATION OF DISSOCIATION ENERGIES OF GASEOUS MOLECULES AND HEATS OF VAPORIZATION - ATOMIC AND NUCLEAR STRUCTURE
WADD-TR-60-782, PT. XI N63-19150 18-07

BRYN MAWR COLL., PA.
SALMONELLA-INFECTED MICE EXPOSED TO ACUTE COLD ENVIRONMENT - RESPIRATORY SYSTEM AS SOURCE OF SECONDARY STAPHYLOCOCCUS INFECTION
AAL-TDR-62-49 N63-19455 19-16

TOXICITY IN MICE AT LOW BODY TEMPERATURES - ROLE OF ADRENAL HORMONES & NITROGEN IN URINE
AAL-TDR-62-63 N63-21399 22-16

MECHANISMS OF INFECTION WITH SALMONELLA IN MICE KEPT AT LOW TEMPERATURES
AAL-TDR-62-7 N63-21400 22-16

B.S.A. RESEARCH CENTRE, KITTS GREEN, BIRMINGHAM /GT. BRIT./
SOLID SOLUBILITY OF BORON AND BERYLLIUM IN TUNGSTEN - TUNGSTEN-BORON, TUNGSTEN-BERYLLIUM AND TUNGSTEN-CARBON SYSTEMS
ASD-TDR-62-25, PT. 2 N63-22127 22-18

BUDAPEST SCIENCE U. /HUNGARY/.
IONIC PROPULSION SYSTEM N63-18925 18-27

ROCKET AND JET PROPULSION THEORIES, MECHANICS OF HEAT TRANSFER, ROCKET TRAJECTORIES, AND HYPERSONIC FLOW N63-21626 22-27

BUDD CO., PHILADELPHIA, PA.
CHANGE IN WELD ZONE RESISTANCE IN SPOTWELDING ALUMINUM ALLOYS N63-12113 05-17

BUENOS AIRES U. /ARGENTINA/.
INTRAVASCULAR AND EXTRAVASCULAR DISTRIBUTION OF FLOURESCENT LABELLED PROTEIN SERUMS, ENZYMES, AND HORMONE PREPARATIONS INJECTED INTO RATS
N63-18968 18-16

BUNDESMINISTERIUM FUR VERKEHR, BONN /W. GERMANY/.
HOT WATER ROCKET - EXHAUST NOZZLES, AIR INTAKE, SERVOCONTROLS, TANKS N63-14436 10-27

JET FLAPS - BLOWOUT FROM SLOT NEAR THE TRAILING EDGE, CIRCULAR CYLINDER, RECTANGULAR WING
N63-14437 10-03

MEASUREMENTS OF BOUNDARY LAYER SUCTION
N63-14526 10-11

AIR TRAFFIC CONTROL IN AIRPORT AREAS - RADAR USES, PHOTOGRAPHIC RECORDING OF RADAR IMAGES, AND ACCURACY OF AIRCRAFT GUIDANCE
N63-15318 12-22

INVESTIGATION OF AIR CURRENTS PREVALENT AT ALPINE FOOTHILLS IN THE LIGHT OF AIDING SAILPLANE PILOTS
N63-15855 13-12

STATISTICAL ANALYSIS OF GERMAN AIRPORT TRAFFIC REQUIREMENTS IN EUROPEAN AIR TRAFFIC SYSTEM
N63-20265 20-22

BUREAU D ANALYSE ET DE RECHERCHE APPLIQUEES, ISSY-LES-MOULINEAUX /FRANCE/.
LIFTING SURFACES IN HELICOIDAL MOVEMENT - PROPELLER BLADE VORTEX N63-12348 05-11

BUREAU OF MEDICINE AND SURGERY, WASHINGTON, D.C.
HUMAN THERMOSTAT - TEMPERATURE CONTROL STIMULUS-RESPONSE N63-14072 09-16

BUREAU OF MINES, ALBANY, ORE.
THERMODYNAMICS OF YTTRIUM METAL AND IRON PENTA-CARBONYL AT HIGH TEMPERATURES
BM-RI-6155 N63-12176 05-18

THERMODYNAMIC PROPERTIES OF METAL HALIDES WITH VAPOR PRESSURE REFERENCES AND BIBLIOGRAPHY
RM-IC-8147 N63-13037 07-07

THERMOCONDUCTIVITY, ELECTRICAL RESISTIVITY, AND SEEBECK COEFFICIENT OF ENARGITE-TYPE COMPOUNDS
BM-RI-6200 N63-13536 08-23

METAL DIAPHRAGM PRESSURE RELAY SYSTEM TO MEASURE VAPOR PRESSURES - TESTED WITH ARSENIC III OXIDE
BM-RI-6212 N63-14255 10-15

METALLURGICAL RESEARCH - RARE EARTH, HAFNIUM, THORIUM, AND REFRACTORY ALLOYS - SOLID-STATE DIFFUSION BONDING AND MELTING RESEARCH
USBM-U-1001 N63-14294 10-18

RECOVERY OF ALUMINUM AND FLUORINE COMPOUNDS FROM ALUMINUM REDUCTION PLANT RESIDUES
BM-RI-6219 N63-15645 12-18

RARE EARTH, HAFNIUM, THORIUM REFRACTORY ALLOYS AND

MELTING RESEARCH CONSIDERATIONS - PROGRESS REPORT
USBM-U-1031 N63-15730 12-18

CONSUMABLE ELECTRODE VACUUM ARC MELTING AND CASTING OF COPPER
BM-RI-6254 N63-19236 18-18

YTTRIUM METAL HALIDE PREPARATION BY METALLOTHERMIC REDUCTION
BM-RI-6259 N63-19601 19-07

RARE EARTH, HAFNIUM, THORIUM, & REFRACTORY HIGH-TEMPERATURE ALLOYS, SOLID STATE DIFFUSION BONDING, AND MELTING PROCESSES
USBM-U-1057 N63-19613 19-18

PREPARATION AND EVALUATION OF FUSED HAFNIUM CARBIDE
BM-RI-6304 N63-22239 23-19

ELECTROPLATING WITH ZINC
BM-RI-6301 N63-22470 23-18

LOW TEMPERATURE NONAQUEOUS BATHS FOR ELECTRO-DEPOSITING MOLYBDENUM, TUNGSTEN & VANADIUM IN ORGANIC SOLVENTS
BM-RI-6303 N63-22471 23-18

DEFLUORINATION OF REFRACTORY FLUORIDE-BEARING COMPOUNDS BY CONTROL METHOD
BM-RI-6314 N63-23613 24-07

BUREAU OF MINES, AMARILLO, TEX.
VAPOR-LIQUID EQUILIBRIA FOR HELIUM-NITROGEN-METHANE MIXTURE
BM-RI-6178 N63-13029 07-07

SUPERCOMPRESSIBILITY FACTORS OF 5 MIXTURES STUDIED FOR VOLUMETRIC CORRECTION OF ORIFICE METER MEASUREMENT OF CRUDE HELIUM
BM-RI-6192 N63-14200 09-11

BUREAU OF MINES, BARTLESVILLE, OKLA.
INCLINED PISTON DEADWEIGHT PRESSURE GAUGE
BM-RI-6149 N63-11961 05-15

AVIATION FUEL INSPECTION DATA - GASOLINE AND JET FUEL N63-17598 16-26

BUREAU OF MINES, BERKELEY, CALIF.
HEATS AND FREE ENERGIES OF FORMATION OF CALCIUM TUNGSTATE, CALCIUM MOLYBDATE, AND MAGNESIUM MOLYBDATE
BM-RI-6143 N63-11332 03-23

LOW TEMPERATURE HEAT CAPACITIES AND ENTROPIES OF MONOMOLYBDATES
BM-RI-6147 N63-11734 04-23

HIGH TEMPERATURE HEAT CONTENTS AND ENTROPIES OF SESQUIOXIDES OF ERBIUM, HOLMIUM, THULIUM, AND YTTERBIUM
BM-RI-6175 N63-12780 06-18

HEAT AND FREE ENERGY OF FORMATION OF NITRIDE AND CARBIDE OF VANADIUM
BM-RI-6177 N63-12781 06-19

THERMODYNAMICS OF SODIUM DIMOLYBDATE AND SODIUM DITUNGSTATE
BM-RI-6191 N63-13149 07-23

HEAT AND FREE ENERGIES OF FORMATION OF LEAD AND MANGANESE VANADATES
BM-RI-6197 N63-13312 07-23

GALLIUM AND SCANDIUM SESQUIOXIDES - THERMODYNAMIC DATA
BM-RI-6198 N63-13313 07-23

VANADIUM SILICIDE HIGH TEMPERATURE HEAT-CONTENT AND ENTROPY DATA
BM-RI-6241 N63-16796 14-18

HIGH TEMPERATURE HEAT CONTENTS AND ENTROPIES OF SESQUIOXIDES OF LUTETIUM, DYSPROSIUM, AND CERIUM
BM-RI-6248 N63-17453 15-07

FORMATION HEAT OF GEHLENITE AND TALC DETERMINED BY HYDROFLUORIC ACID SOLUTION CALORIMETRY
BM-RI-6251 N63-17454 15-07

LOW TEMPERATURE HEAT CAPACITY AND ENTROPY OF SCANDIUM AT 298-DEG K
BM-RI-5984 N63-18297 17-23

HEATS OF FORMATION OF TWO CRYSTALLINE HYDRATES OF FERROUS SULFATE BY SOLUTION CALORIMETRY
BM-RI-6260 N63-19740 19-07

HEAT CONTENT OF MAGNESIUM OXIDE, PERICLASE, MEASURED AND COMPARED WITH CORUNDUM AS HIGH TEMPERATURE HEAT CONTENT CHECKING APPARATUS
BM-RI-6295 N63-21697 22-19

BUREAU OF MINES, BOULDER CITY, NEV.
FUSED-SALT ELECTROLYTES FOR REFINING TUNGSTEN - IMPURITY REMOVAL
BM-RI-6154 N63-12375 06-18

FUSED SALT ELECTROLYSIS OF LOW GRADE TUNGSTEN ORE TO PREPARE CRUDE TUNGSTEN METAL FOR FURTHER ELECTROREFINING
BM-RI-6161 N63-12407 06-07

BUREAU OF MINES, COLLEGE PARK, MD.
ELECTRON PROBE X-RAY SPECTROGRAPH
BM-RI-6111 N63-11691 04-15

PRODUCTION OF ALUMINA FROM CLAY BY HYDROCHLORIC ACID EXTRACTION
BM-RI-6133 N63-11695 04-17

VIBRATIONS FROM INSTANTANEOUS AND MILLISECOND-DELAYED QUARRY BLASTS
BM-RI-6151 N63-12349 05-12

INTERFEROMETRIC MEASUREMENT OF THERMAL EXPANSION OF OXIDES OF YTTRIUM, CERIUM, SAMARIUM, EUROPIUM, AND DYSPROSIUM
BM-RI-6180 N63-13148 07-23

X-RAY MASS ABSORPTION COEFFICIENTS
BM-IC-8166 N63-16978 14-23

QUANTITATIVE SPECTROCHEMICAL ANALYSIS OF METALLIC SOLUTIONS - USE OF CARRIER-PRECIPITATION AND FILTER ELECTRODE
BM-RI-6249 N63-17714 16-07

SOLVENT EXTRACTION - SPECTROPHOTOMETRIC METHOD FOR DETERMINATION OF COPPER IN TUNGSTEN METAL AND TUNGSTEN OXIDE
BM-RI-6277 N63-19800 19-07

DETERMINATION OF COBALT AND NICKEL IN TUNGSTEN BY COMBINED ION EXCHANGE X-RAY SPECTROGRAPHIC METHOD
BM-RI-6308 N63-22235 23-18

BUREAU OF MINES, MINNEAPOLIS, MINN.
FEASIBILITY OF ELECTROCHEMICAL CELLS FOR COMPOSITIONAL ANALYSIS OF HIGH PURITY METALS - ANALYSIS OF HIGH PURITY IRON
BM-RI-6183 N63-13166 07-18

EXPANSION PROPERTIES OF SOME MINNESOTA CLAY MINERALS
BM-RI-6313 N63-23618 24-19

BUREAU OF MINES, MORGANTOWN, W. VA.
ULTRASONIC PHENOMENA AND METHODS OF MEASUREMENT - BIBLIOGRAPHY
BM-IC-8146 N63-12769 06-23

GRAPHITE MICROPARTICLES FOR HEAT TRANSFER MEDIUMS
BM-RI-6255 N63-18380 17-13

BUREAU OF MINES, NORRIS, TENN.
COMPARISONS OF ELECTRON MICROSCOPIC METHOD WITH OPTICAL MEASUREMENT & HARDNESS TESTING MACHINES - SEARCH FOR DIAMOND SUBSTITUTES
BM-RI-6181 N63-13459 08-15

IRON, COBALT, AND NICKEL AS METALLIC BINDERS FOR ZIRCONIUM DIBORIDE - HARDNESS, OXIDATION RATE, AND MECHANICAL SHOCK RESISTANCE EVALUATIONS
BM-RI-6262 N63-18901 18-18

FIRE & EXPLOSION HAZARD DUE TO COMBUSTIBLES ON AIRCRAFT
ASD-TR-61-278 N63-21403 22-26

BUREAU OF MINES, PITTSBURGH, PA.
HYPERVELOCITY IMPACT PHENOMENA N63-10723 02-33

IGNITION AND FLAMMABILITY STUDIES ON COMBUSTIBLES AND OXIDANTS OF FLIGHT VEHICLES
ASD-TR-61-278, SUPPL. 1 N63-11160 03-26

DETONATION INITIATION AS FUNCTION OF INITIAL TEMPERATURE IN NITROGLYCERINE-ETHYLENE GLYCOL DINITRATE N63-11757 04-26

INITIATION OF DETONATION IN EXPLOSIVES AND PROPELLANTS RESULTING FROM COMBUSTION INSTABILITIES N63-14069 09-26

HYPERVELOCITY IMPACT - SPALLATION PRODUCT B. HIGH VELOCITY PROJECTILES PENETRATING THIN METALLIC TARGETS N63-14748 11-33

LIQUID HYDROGEN - DANGERS OF EXPLOSION AND OTHER RELATED SAFETY HAZARDS TO PERSONNEL
BMRI-5707 N63-14981 11-13

THIN PLATE PERFORATION INVESTIGATED BY HYPERVELOCITY IMPACT N63-17303 15-33

DETONATION OF LIQUID EXPLOSIVES AND PROPELLANTS BY LOW AMPLITUDE SHOCKS N63-17391 15-26

DIRECT ELECTRICAL IGNITION OF FREELY EXPANDING DETONATION WAVES FOR THREE GASEOUS SYSTEMS - ETHYLENE, PROPANE, AND HYDROGEN N63-18528 17-26

IGNITION TEMPERATURE AND LIMITING FUEL CONCENTRATIONS OF MIXTURES OF COAL GAS, METHANE, AND AIR BY HOT GAS JET IGNITION N63-18540 17-26

SHOCK SENSITIVITY CHARACTERISTICS OF LIQUID EXPLOSIVE SYSTEMS N63-20225 20-26

IGNITION TEMPERATURES OF AIRCRAFT FUELS AND ENGINE LUBRICANTS N63-20310 20-26

PENETRATION OF METAL TARGETS OF VARIOUS THICKNESSES BY HYPERVELOCITY PROJECTILES N63-22345 23-23

INITIATION OF DETONATION BY LOW AMPLITUDE SHOCKS TO INVESTIGATE WALL MATERIALS N63-22372 23-26

FIRE AND EXPLOSION HAZARDS OF FLIGHT VEHICLE COMBUSTIBLES
BM-IC-8137 N63-22477 23-26

SHOCK SENSITIVITY CHARACTERISTICS OF LIQUID EXPLOSIVE SYSTEMS - HIGH & LOW VELOCITY DETONATIONS N63-23760 24-06

BUREAU OF MINES, RENO, NEV.
REACTION RATE OF TITANIUM AND TITANIUM SUBCHLORIDES IN MOLTEN SODIUM CHLORIDE
BM-RI-6162 N63-12408 06-07

YTTRIUM BEHAVIOR IN RARE-EARTH-AMINE EXTRACTION AND EFFECT OF SEQUESTRANT
BM-RI-6242 N63-16583 14-07

EFFECT OF IMPURITIES ON MECHANICAL PROPERTIES OF ELECTROLYTIC TITANIUM
BM-RI-5701 N63-17562 16-18

BUREAU OF MINES, ROLLA, MO.
VIBRATION DAMPING CAPACITY OF VARIOUS MAGNESIUM ALLOYS
BM-RI-6116 N63-10410 01-18

USE OF DEPLETED URANIUM IN BEARING ALLOYS AND LOW-ALLOY STEELS
TID-8212 N63-10659 02-17

BENEFICIATION OF REFRACTORY CLAY
BM-RI-6142 N63-11854 04-19

METHODS FOR ANALYZING TUNGSTEN ORES INCLUDING IMPURITY ELEMENTS IN TUNGSTEN CONCENTRATES
BM-RI-6148 N63-11855 04-07

EFFECT OF INDIUM ON SOLID SOLUBILITY OF CALCIUM & SILICON IN MAGNESIUM
BM-RI-6170 N63-12719 06-18

HIGH TEMPERATURE ALLOY RECLAMATION FROM MELTING OF SCRAP METAL
BM-RI-6230 N63-15723 12-18

RADIOTRACER STUDIES TO DETERMINE FINAL DISTRIBUTION OF CERIUM ADDITIONS TO STEEL AND EFFECT ON SULFIDE INCLUSIONS
BM-RI-6256 N63-18719 17-18

BUREAU OF MINES, SALT LAKE CITY, UTAH.
FLUOSILICATE SINTERING PROCESS FOR RECOVERY OF BERYLLIUM FROM BERYL-SPODUMENE CONCENTRATE
BM-RI-6153 N63-12431 06-07

STATISTICAL DESIGN OF EXPERIMENTS IN METALLURGICAL RESEARCH
BM-RI-6232 N63-17621 16-18

DUCTILE VANADIUM METAL FROM CALCIUM REDUCTION OF VANADIUM OXIDE IN BOMBS
BM-RI-6284 N63-21207 21-19

BUREAU OF MINES, TUSCALOOSA, ALA.
LOW TEMPERATURE HEAT CAPACITIES OF CESIUM CHLORIDE AND CESIUM IODIDE MEASURED WITH ADIABATIC CALORIMETER
BM-RI-6157 N63-12432 06-19

HEAT CAPACITY AND ENTHALPY OF BERYLLIUM SULFATE TO 900-DEG F
BM-RI-6240 N63-16488 14-23

LOW TEMPERATURE THERMODYNAMIC PROPERTIES OF STRONTIUM CHLORIDE & STRONTIUM FLUORIDE
BM-RI-6316 N63-23714 24-13

BUREAU OF MINES, WASHINGTON, D.C.
CEMENTED TUNGSTEN CARBIDE WITH TITANIUM DIBORIDE ADDITIONS
BM-RI-6095 N63-10126 01-18

NIOBIUM-HAFNIUM BINARY ALLOYS FOR ELEVATED-TEMPERATURE SERVICE
BM-RI-6101 N63-10127 01-18

AUTORADIOGRAPHY OF CARBON AND SULFUR IN TITANIUM STEELS
BM-RI-6122 N63-10969 02-18

THERMAL EXPANSION OF MAGNESIUM OXIDE
BM-RI-6115 N63-11336 03-18

BENEFICIATION OF REFRACTORY CLAY
BM-RI-6142 N63-11854 04-19

METHODS FOR ANALYZING TUNGSTEN ORES INCLUDING IMPURITY ELEMENTS IN TUNGSTEN CONCENTRATES
BM-RI-6148 N63-11855 04-07

STRUCTURE AND PROPAGATION OF TURBULENT BUNSEN FLAME N63-11972 05-26

THERMODYNAMICS OF YTTRIUM METAL AND IRON PENTA-CARBONYL AT HIGH TEMPERATURES
BM-RI-6155 N63-12176 05-18

HEATS AND FREE ENERGIES OF FORMATION OF BARIUM OXIDE AND STRONTIUM OXIDE
BM-RI-6171 N63-12778 06-19

POROSITY AND BULK DENSITY OF COMPACTS PRESSED FROM HIGH PURITY FUSED ALUMINUM OXIDE
BM-RI-6174 N63-12779 06-19

ANALYSIS OF HIGH PURITY VANADIUM BY OPTICAL EMISSION SPECTROSCOPY
BM-RI-6182 N63-13038 07-07

LABORATORY SCALE MODEL FLUIDIZED-BED REACTOR FOR

THERMAL DECOMPOSITION OF GYPSUM
BM-RI-6209 N63-14045 09-07

FIBROUS SILICON CARBIDE SYNTHESIS BY THERMAL DECOMPOSITION OF SILICATE AND SILICON COMPOUNDS
BMRI-6220 N63-14745 11-19

MAGNETIC SUSCEPTIBILITY OF SIDERITE AND OTHER MINERAL FERROUS ALLOYS
BM-RI-6224 N63-15378 12-18

PROPERTIES OF LEAD AND BARIUM DISILICIC FLUORMICAS
BM-RI-6228 N63-15398 12-18

HIGH TEMPERATURE CORROSION STUDIES - NICKEL AND COBALT IN AIR AND OXYGEN
BM-RI-6231 N63-15512 12-18

LOW TEMPERATURE HEAT CAPACITIES AND ENTROPIES OF SCANDIUM AND CERIUM SESQUIOXIDES - 50 TO 298-DEG K
BM-RI-6245 N63-17690 16-23

LOW-TEMPERATURE HEAT CAPACITY AND ENTROPY AT 298.15-DEG K OF RED MERCURIC SULFIDE
BM-RI-6001 N63-17885 16-07

MOLYBDENUM FROM MOLYBDENUM COMPOUNDS BY REDUCTION WITH MAGNESIUM
BM-RI-5934 N63-17886 16-07

PREPARATION OF NIOBIUM AND TANTALUM BY METALLIC REDUCTION OF THEIR CHLORIDES
BM-RI-6080 N63-17887 16-07

DETERMINATION OF TRACE ELEMENTS IN MINERALS AND ORES BY FLUORESCENT X-RAY SPECTROGRAPHY
BM-RI-5966 N63-17888 16-18

HEATS AND FREE ENERGIES OF FORMATION OF ANTIMONY SESQUIOXIDE AND TETROXIDE
BM-RI-5972 N63-17889 16-07

HIGH TEMPERATURE HEAT CONTENT AND ENTROPY OF ZIRCONIUM FLUORIDE AND ZIRCONIUM SULFATE
BM-RI-5964 N63-17890 16-07

FIRE AND EXPLOSION HAZARDS ASSOCIATED WITH LIQUEFIED NATURAL GAS STORAGE AND TRANSPORTATION
BM-RI-6009 N63-18682 17-10

THERMODYNAMIC PROPERTIES OF MULLITE - LOW-TEMPERATURE HEAT CAPACITY AND HIGH-TEMPERATURE HEAT CONTENT
BM-RI-6287 N63-21711 22-13

BUREAU OF NAVAL WEAPONS, WASHINGTON, D.C.

HYDRAULIC FLUIDS DEVELOPMENT FOR HIGH AND LOW TEMPERATURE APPLICATIONS N63-17840 16-17

LUBRICATING OIL FOR TURBOSHAFT ENGINES, HELICOPTER TRANSMISSIONS AND TURBOPROP ENGINES
N63-17847 16-17

BUREAU OF SHIPS, WASHINGTON, D.C.

DESCRIPTION AND SIMULATED LIFE TESTS OF NEW TYPE THERMOELECTRIC GENERATOR OPERATING ON PROPANE
N63-14139 09-06

MICROELECTRONICS - PROGRAM FOR INTEGRATED SHIPBOARD ELECTRONICS N63-17375 15-09

BURKE /W.M./ RELIEF FOUNDATION, WHITE PLAINS, N.Y.

PROTEINS AND NUTRITION - METABOLIC PATHWAYS FOR PROTEINS & AMINO ACIDS
AMRL-TDR-63-77 N63-22901 23-16

BURNS AND ROE, INC., NEW YORK, N.Y.

HIGH PRESSURE POLYMERIZATION BY GAMMA RADIATION - TEST CELL, INSTRUMENTATION
BNL-796/T-305/ N63-20958 21-07

BURROUGHS CORP., DETROIT, MICH.

MISSILE GUIDANCE SYSTEM GROUND TESTING WITH MOD III COMPUTING SYSTEM AT ATLANTIC MISSILE RANGE
N63-15712 12-20

BURROUGHS CORP., PAOLI, PA.

PAIRED-ASSOCIATES TRAINER - PSYCHOLOGY, LEARNING, TRAINING EQUIPMENT
AMRL-TDR-62-104 N63-13420 08-14

DEVELOPING TASK-SEQUENCER IN FLIGHT SIMULATORS
AMRL-TDR-63-17 N63-15367 12-10

DESIGN OF NONDESTRUCTIVE MEMORY COMPATIBLE WITH PARAMETRON - CONTROL LOGIC N63-21866 22-09

PULSED NUCLEAR RADIATION EFFECT ON PROPERTIES OF SILICON & GERMANIUM TRANSISTORS
N63-23419 24-09

C

CALIDYNE CO., WINCHESTER, MASS.

AEROELASTICITY - GROUND RESONANCE TEST METHODS FOR DETERMINING NATURAL VIBRATION MODES OF AIRCRAFT STRUCTURES N63-17818 16-33

CALIFORNIA INST. OF TECH., PASADENA.

INFLUENCE OF TEMPERATURE AND PREFERRED ORIENTATION ON HALL COEFFICIENT AND RESISTIVITY OF PURE TITANIUM N63-10424 01-23

EFFECTS OF THERMAL CONDUCTION ON SONOLUMINESCENCE
N63-10648 02-11

EFFECT OF INITIAL IMPERFECTIONS ON THE BUCKLING STRESS OF CYLINDRICAL SHELLS N63-10817 02-33

INFLUENCE OF NONSYMMETRICAL DEFLECTION MODES ON BUCKLING OF SHALLOW SPHERICAL SHELLS
N63-10842 02-33

STRUCTURAL INSTABILITY OF SOLID-PROPELLANT ROCKET ENGINES N63-10854 02-33

THE BOUNDARY BETWEEN A MAGNETIC FIELD AND A PLASMA
N63-10897 02-12

SYNCHROTRON RADIATION AS THE SOURCE OF JUPITERS POLARIZED DECIMETER RADIATION
N63-10961 02-05

DISLOCATION MOBILITY IN ZINC SINGLE CRYSTALS
N63-11599 04-18

A 17-INCH SHOCK TUBE FOR RAREFIED GAS DYNAMICS
N63-11731 04-11

PULSATION METHOD FOR GENERATING CAVITATION DAMAGE
N63-11977 05-17

RANGER SPACECRAFT LUNAR SEISMOGRAPH
N63-12046 05-15

INTERPLANETARY MAGNETIC FIELDS - MARINER II OBSERVATIONS N63-12082 05-32

STABILITY OF COMPRESSIBLE LAMINAR BOUNDARY LAYER
N63-12180 05-11

SEISMOGRAPH FOR LUNAR EXPERIMENTS
N63-12351 06-15

FULLY CAVITATING TWO-DIMENSIONAL FLAT PLATE HYDROFOIL NEAR FREE SURFACE
E-118.12 N63-13087 07-11

BUBBLE DYNAMICS - HEAT FLOW N63-13800 09-11

CYLINDRICAL SHELLS IN SUPERSONIC FLOW AND IDEALIZED BOUNDARY LAYER EFFECT ON FLUTTER
SM-62-49 N63-13979 09-11

FLUTTER OF THIN WALL CYLINDRICAL SHELLS
SM-62-37 N63-14006 09-33

PRECURSOR SIGNALS - PHOTOIONIZATION AND ELECTRON DIFFUSION - SPECTROMETRIC DETERMINATION
N63-14315 10-24

FINITE ELASTIC SLUMP OF INFINITELY LONG, HOLLOW INCOMPRESSIBLE CYLINDER BONDED TO RIGID OUTER TUBE - FAILURE PREDICTION FOR METAL AND RUBBER
GALCIT-SM-62-54 N63-15247 12-33

SMALL-TIME BEHAVIOR OF UNSTEADY CAVITY FLOW - TIME DEPENDENT PERTURBATIONS N63-15699 12-11

OLLAPSE OF BUBBLES IN COMPRESSIBLE FLUIDS
N63-15761 12-11

CCURACY OF APPLYING LINEAR PISTON THEORY TO
YLINDRICAL SHELLS - AERODYNAMIC PRESSURE UNDER
ARALLEL FLOW
M-62-50 N63-15809 13-02

LASTIC BEHAVIOR OF NONADHESIVE RUBBER BINDER
LOSE-PACKED WITH RIGID SPHERICAL PARTICULATE
NCLUSIONS - MATHEMATICAL MODEL FOR SIMPLE TENSION
ALCIT-SM-63-2 N63-15932 13-33

RANSFORMATION FORMULAS AND HYPERGEOMETRIC
LLIPTICAL INTEGRAL FUNCTIONS
N63-16151 13-20

ONVISCOUS, STEADY CAVITATING TWO-DIMENSIONAL FLOW
HROUGH CASCADE OF FLAT PLATE HYDROFOILS
-79-4 N63-16350 14-03

EOMETRICAL OPTICS OF MULTIREFLECTOR OPTICAL
ESONATORS - CONDITIONS FOR STABLE OPERATION -
PTICAL MASERS AND LASERS
FCRL-63-115 N63-16686 14-23

IFETIMES OF ICES OF COMMON VOLATILES /WATER,
ARBON DIOXIDE, METHANE/ IN SOLAR SYSTEM
N63-16702 14-29

TELLAR & PLANETARY OBSERVATIONS AT 10 MICRONS
ADE BY PORTABLE INFRARED TELESCOPE & PHOTOMETER
TILIZING MERCURY DOPED GERMANIUM DETECTOR
N63-16703 14-29

ADIANT ENERGY TRANSFER IN MULTICOMPONENT GAS
IXTURES - ISOTHERMAL AND NONISOTHERMAL SIMILARITY
ARAMETERS N63-16787 14-11

TRUCTURE ANALYSIS OF LIQUID BY X-RAY DIFFRACTION
ND REFRACTIVE INDEX STUDIES
S-10039-M N63-16982 14-23

EN MICRON PHOTOMETRY OF STARS
ASA-CR-50143 N63-17028 15-15

UNAR TEMPERATURE DETERMINATION DURING LUNAR
IGHTTIME
ASA-CR-50148 N63-17133 15-29

ANEL FLUTTER - BOUNDARY LAYER FLOW ANALYSIS FOR
LAT PLATES AND CIRCULAR CYLINDRICAL SHELLS
AS PAPER-63-26 N63-17183 15-33

NFRARED PHOTOMETRIC CONTOUR MAPPING OF PLANET
ENUS
ASA-CR-50149 N63-17216 15-29

RAG FLUCTUATION AND SATELLITE ORBIT CALCULATION -
IRCULAR ORBIT
ASA-CR-50235 N63-17698 16-20

TRUCTURAL ANALYSIS OF VISCOELASTIC SOLID
ROPELLANT GRAINS
IAA PAPER-63-284 N63-17795 16-33

UNAR SEISMOLOGY - INSTRUMENTATION AND VALUE
IAA PAPER-63-255 N63-17806 16-29

IEZOCERAMIC PRESSURE TRANSDUCERS FOR SHOCK TUBE
RESSURE MEASUREMENT - SHOCK WAVE PROFILES OF
EFLECTED WAVES, THICKNESS AND CURVATURE
ASA-CR-50495 N63-18139 16-11

AVITATION FLOW PAST CURVED SURFACES - CIRCULAR
LATE, WEDGES - HYDROFOILS N63-18200 16-11

EASUREMENT OF STEEP LUNAR CRATER SLOPES
ASA-CR-50096 N63-18291 17-05

ENUS - HIGH RESOLUTION MAP OF BRIGHTNESS
EMPERATURE FROM HALE TELESCOPE OBSERVATIONS
ASA-CR-50464 N63-18340 17-29

ATE AND RADIATIVE HEAT TRANSFER PROCESSES DURING
LOW IN DE LAVAL NOZZLES N63-18571 17-07

FFECT OF AXIALLY SYMMETRICAL INITIAL IMPERFECTION
N BUCKLING LOAD OF CIRCULAR CYLINDRICAL SHELL
UNDER AXIAL COMPRESSION LOADING
NASA-TN-D-2005 N63-18668 17-33

ELECTROMAGNETIC RADIATION DUE TO RADIAL MOTION OF
CONDUCTING SPHERE IN MAGNETIC FIELD - PLASMA CLOUD
EXPANSION APPLICATIONS N63-18902 18-24

OBSERVATIONS REGARDING STRAIN FIELD NEAR POINT OF
CRACK TO INTERPRET MECHANICS OF FRACTURE
INITIATION - CRACK PROPAGATION
N63-20089 20-18

FOKKER-PLANCK EQUATION APPLIED TO NONLINEAR
DYNAMIC SYSTEMS SUBJECTED TO EXCITATION BY
WHITE RANDOM NOISE N63-20103 20-23

EQUIVALENT LINEARIZATION TECHNIQUES FOR NONLINEAR
SYSTEMS N63-20106 20-23

APPROXIMATE NUMERICAL SCHEME FOR THEORY OF CAVITY
FLOWS PAST SUBMERGED BODIES OF ARBITRARY PROFILE -
HYDROFOIL WAKE N63-20312 20-11

FLOW GENERATED BY SUDDENLY HEATED FLAT PLATE
N63-20629 20-11

HYPERSONIC FLOW OVER YAWED CIRCULAR CONE
N63-20630 20-11

ABUNDANCE OF PLATINUM AND IRIDIUM IN METEORITES -
SPECTROGRAPHIC DETERMINATION IN IRON METEORITES &
METAL PHASE OF CHONDRITES N63-21434 22-12

PROBLEMS OF LARGE RADIO TELESCOPES
N63-22272 23-05

TRIAXIAL TENSION FAILURE OF VISCOELASTIC MATERIALS
ARL-63-152 N63-22499 23-19

CALCULATION BY MOMENT TECHNIQUE OF PERTURBATION OF
GEOMAGNETIC FIELD BY SOLAR WIND
N63-22874 23-12

CRACK PROPAGATION IN METAL FATIGUE
GALCIT-SM-63-15 N63-23813 24-18

CALIFORNIA RESEARCH CORP., LA HABRA.
APPLICATION OF EXACT RAY THEORY TO LAYERED ELASTIC
SYSTEM
AFCRL-63-838 N63-20687 20-12

VARIATIONS IN WAVE FORM OF RAYLEIGH MOTION AS
FUNCTION OF SOURCE DEPTH AND RANGE
AFCRL-63-820 N63-20688 20-12

CALIFORNIA RESEARCH CORP., RICHMOND.
RADIATION STABILITY OF ORGANIC REACTOR COOLANTS
RADIOLYSIS YIELD OF POLYPHENYLS IRRADIATED IN
NEUTRON-RICH SPECTRUM OF THE SUSIE REACTOR
TID-16999 N63-11828 04-23

CHROMATOGRAPHIC ANALYSIS OF POLYPHENYL RADIOLYSIS
PRODUCTS FROM REACTOR COOLANTS
TID-17508 N63-13501 08-07

ORGANO-METALLIC ANTIKNOCK COMPOUNDS IN INTERNAL
COMBUSTION ENGINES - ORGANIC LEAD COMPOUNDS FOR
FUEL ADDITIVES N63-18595 17-26

CALIFORNIA RESEARCH CORP., SAN FRANCISCO.
RADIOLYSIS OF ORGANIC FLUIDS IN SUSIE REACTOR
TID-18195 N63-19286 18-07

CALIFORNIA U., BERKELEY.
NORMAL MODES OF NONLINEAR COUPLED SHIP MOTIONS AND
THEIR STABILITY
IER SER. 173, ISSUE 5 N63-10167 01-11

ENERGETIC PARTICLE PRODUCTION BY SOLAR FLARES -
COSMIC RAYS N63-10223 01-28

FREE ELECTRONS IN ACTIVE NITROGEN
ARL-62-404 N63-10280 01-23

PRESSURE AS A FUNCTION OF DISTANCE
AFCRL-62-1012 N63-10607 02-20

AERODYNAMIC FORCES ACTING ON A BLUNT BODY IN A
SUPERSONIC RAREFIED GAS FLOW

HE-150-203 N63-10615 02-02

CORRECTIONS FOR DIFFUSIVE SEPARATION OF A GAS MIXTURE DUE TO INSERTION OF A SAMPLING PROBE
HE-150-206 N63-10619 02-11

METHOD OF THE GREEN FUNCTION IN THE THERMOELASTIC THEORY OF SHALLOW SHELLS
IER SER. 131, ISSUE 16 N63-10669 02-34

POSSIBLE ELEMENTAL ABUNDANCES OF LUNAR CRUST - IMPACT AND VOLCANIC ORIGIN N63-10702 02-26

MECHANICAL PROPERTIES OF VISCOPLASTIC SOLIDS SOLIDS
IER SER. 175, ISSUE 1 N63-10894 02-33

ORIGIN OF THE LUNAR WALLED PLAIN, PTOLEMAEUS N63-10997 02-05

METABOLIC, ECOLOGIC, AND GENETIC PROCESSES IN TERRESTRIAL MICROORGANISMS UNDER SIMULATED PLANETARY ENVIRONMENTS N63-11302 03-29

NONLINEAR THEORY OF ELASTIC SHELLS UNDER THE KIRCHHOFF HYPOTHESIS
IER SER. 131, ISSUE 17 N63-11560 04-33

FORMATION AND STRENGTH OF MAGNESIA WHISKERS N63-11582 04-33

INFLUENCE OF SHOCK WAVE-BOUNDARY LAYER INTERACTION ON HEAT TRANSFER TO AXISYMMETRIC BODY
ARL-62-442 N63-11871 04-13

NONLINEAR THEORY OF ELASTIC SHELLS
IER SER. 131, ISSUE 18 N63-12282 05-23

IONOSPHERIC ABSORPTION PRODUCED BY SOLAR COSMIC RAYS
AFOSR-418 N63-12468 06-28

MOLECULAR SPECTROSCOPY OF PLANETARY ATMOSPHERES - VENUS AND MARS N63-12577 06-29

SPACE BIOLOGY - EXPERIMENTS ON BEETLES AND BLOOD PRESSURE - WEIGHTLESSNESS AND BALLOON FLIGHTS N63-12632 06-16

PLASMA OSCILLATIONS AND PARTICLE TRAJECTORIES IN ELECTRON STREAM - PALMER DIAGRAMS
IER SER. 60, ISSUE 458 N63-12734 06-24

WAVES IN DRIFTING AND ACCELERATING ELECTRON STREAMS IN RADIAL FLOW
IER SER. 60, ISSUE 459 N63-12735 06-23

REVIEW OF PARAMAGNETIC RESONANCE IN CRYSTALS AND SURVEY OF CRYSTALS FOR USE IN THREE-LEVEL MASERS
IER SER. 60, ISSUE 439 N63-12746 06-25

THERMODYNAMICS OF NICKEL-GOLD ALLOY
IER REPR.-110-62 N63-13056 07-23

THERMODYNAMICS OF SILVER-ZINC ALLOY
IER REPR.-7-63 N63-13057 07-23

ELECTRON PRECIPITATION IN NORTHERN AND SOUTHERN AURORAL ZONES
AFOSR-420 N63-13115 07-12

ROOTS OF REAL POLYNOMIAL INSIDE UNIT CIRCLE AND STABILITY CRITERION FOR LINEAR DISCRETE SYSTEMS
AFOSR-2443 N63-13165 07-20

THERMODYNAMIC PROPERTIES OF METALS AND ALLOYS N63-13839 09-18

THERMAL PROPERTIES OF ALLOYS AT HIGH TEMPERATURES N63-14002 09-18

DILATION CONTRIBUTION TO HEAT CAPACITY OF METALS AND ALLOYS N63-14078 09-18

RADIATIVE LOSSES EVALUATED FOR ALL SIGNIFICANT IONS PRESENT IN INTERPLANETARY GAS FROM 4 TO 215 RADII - SOLAR CORONA ENERGY BALANCE N63-14231 10-28

IGNITION GEOMETRY INFLUENCE ON INITIAL FLAME ACCELERATION IN SPARK-IGNITED, STOICHIOMETRIC HYDROGEN-OXYGEN MIXTURES N63-14324 10-26

FINITE TWISTING AND EXPANSION OF HOLE IN RIGID/PLASTIC PLATE UNDER PLANE STRESS N63-14464 10-33

HEAT CONDUCTION IN ISOTROPIC ELASTIC SOLIDS - EQUATION FOR HEAT FLUX VECTOR
IER SER. 131, ISSUE 20 N63-14500 10-23

STABILITY OF VISCOUS FLOW BETWEEN ROTATING CYLINDERS SEPARATED BY FINITE GAP
MD-63-1 N63-14650 10-11

STOCHASTIC MODELS FOR INTERPRETING METEOROLOGICAL DATA
AFCRL-63-241 N63-14654 10-21

DIELECTRIC CONSTANT OF WATER - ENZYME SUBSTRATE INTERACTION
IER SER. 60, ISSUE 476 N63-14823 11-16

HEMODYNAMIC RESPONSE TO ZERO GRAVITY N63-14922 11-16

BIOLOGICAL EFFECT OF HIGH ENERGY PROTON RADIATION, RADIATION HAZARD N63-15133 11-16

FAULT MECHANICS OF LUNAR STRAIGHT WALL AND MARE NIBIUM - LUNAR GEOLOGY N63-15251 12-29

INTRODUCTION TO THEORY OF ATOMIC PLASMA RECOMBINATION & RESONANCE - HYDROGENIC PLASMA N63-15268 12-24

POSSIBLE EXTRATERRESTRIAL LIFE ON MARS IN MICRO-ENVIRONMENT N63-15275 12-16

CRYSTAL STRUCTURE OF PROPIONIC ACID BY X-RAY DIFFRACTION N63-15354 12-07

PHOTODISSOCIATION OF MOLECULES FOR EXCITATION OF OPTICAL MASER
AFOSR-2251 N63-15413 12-25

STRUCTURE OF LOWER ATMOSPHERE OF VENUS N63-15506 12-29

PROBABILISTIC OUTPUT OF FINITE-STATE MACHINE ELEMENTS FOR RANDOM INPUT USING MODULAR CIRCUITS IN DIGITAL COMPUTERS
AFCRL-62-939 N63-15671 12-09

SPACE CHARGE EMISSION IN PLASMA MAGNETRON GENERATOR WITH SMOOTH-BORE ELECTRODES
AFCRL-63-41 N63-15672 12-24

POSITIVE-COLUMN STRIATION IN GASEOUS CONDUCTORS - ELECTRON TUBES
AFCRL-63-25 N63-15676 12-24

FLAT PLATE SKIN FRICTION IN LOW DENSITY HYPERSONIC FLOW
ARL-63-24 N63-15697 12-11

PHOTOGRAPHIC MEASUREMENT OF CRATERS IN LUNAR WALLED PLAIN PTOLEMAEUS N63-16190 13-29

STAGNATION POINT HEAT TRANSFER TO HEMISPHERE CYLINDERS IN SUPERSONIC AIR STREAM AT LOW REYNOLDS NUMBERS
ARL-63-25 N63-16487 14-13

ENERGETIC ELECTRON PRECIPITATION FROM GEOMAGNETIC FIELD DURING MAGNETIC STORM
CR-52 N63-16689 14-12

ELECTRON-ION RECOMBINATION IN HELIUM PLASMA BY ELECTRON-IONIC COLLISION - EXCITED HELIUM SPECTROSCOPY
HE-150-211 N63-16879 14-24

SINTERING AND SINGLE CRYSTAL PRODUCTION OF ALUMINUM OXIDE AND MAGNESIUM OXIDE POWDERS - SOLID STATE REACTIONS
ASD-TDR-62-732 N63-17304 15-18

ONTROL AND STABILITY OF LINEAR AND NONLINEAR
ATA PROCESSING SYSTEMS
ER SER. 60, ISSUE 472 N63-17505 16-08

EFINEMENT OF QUASI-STEADY-STATE APPROXIMATION IN
HEMICAL REACTION KINETICS BY SINGULAR
ERTURBATION ANALYSIS
ASA-CR-50226 N63-17730 16-07

ASEOUS PHASE OF DETONATION - RELATION TO ROCKET
ROPULSION
IAA PAPER-63-227 N63-17921 16-27

ENERATION OF SHOCK WAVE BY FLAME IN EXPLOSIVE GAS
URING INITIAL ACCELERATION N63-18526 17-26

XACT SOLUTIONS TO EQUATIONS GOVERNING VELOCITY,
EMPERATURE, AND PRESSURE DISTRIBUTIONS IN GASEOUS
ETONATION WAVES - GAS DYNAMICS
N63-18542 17-11

AMINAR DETONATION WAVE STRUCTURE IN OZONE FOR
HREE MODELS - COUPLED WAVE, VON NEUMAN-DORING-
ELDOVICH MODEL, AND DECOUPLED WAVE
N63-18543 17-11

OMBUSTION PROCESSES AND EFFICIENCY IN
ECIPROCATING ENGINES N63-18593 17-26

ERODYNAMIC FORCE ON CYLINDRICAL SHELL OF FINITE
ENGTH IN SUPERSONIC FLOW FIELD
S-63-1 N63-18798 18-02

AREFIED GAS DYNAMICS - MOLECULAR BEAMS AND
URFACE INTERACTIONS, FREE-MOLECULAR FLOW, FLUID
ECHANICS, KINETIC THEORY N63-18819 18-11

ORCE AND PRESSURE DISTRIBUTIONS ON HEMISPHERE
NDERGOING FORCED HARMONIC OSCILLATIONS ON FREE
URFACE
A-63-1 N63-18847 18-11

REE SURFACE FLOW - GRAVITY WAVES, JETS AND
AVITIES
A-63-5 N63-19212 18-11

BSOLUTE LIGHT INTENSITIES OF SPECTRAL LINES BY
HOTOELECTRIC METHODS - OPTICAL MASER APPLICATIONS
ROD-3323-2 N63-19405 19-23

IGHT ENERGY CONVERSION EFFICIENCY OF ALGAL
ULTURES - CLOSED ECOLOGICAL SYSTEM OF MICE,
LGAE AND BACTERIA IN MICROENVIRONMENTS
ERL-63-6 N63-19544 19-16

INITE DIFFERENCE SOLUTION OF UNSTEADY FLOW
ROBLEMS IN TWO-DIMENSIONAL SPACES - UNDERWATER
HOCK WAVE APPLICATIONS
S-63-2 N63-19824 19-11

UBSTRUCTURE OF PLASTICALLY DEFORMED NICKEL
CRL-10778 N63-19918 19-25

FFECT OF NONLINEAR STATIC COUPLING ON MOTION
TABILITY OF A SHIP MOVING IN OBLIQUE WAVES
A-63-3 N63-20389 20-11

ARAMAGNETIC RESONANCE OF IMPURITIES IN NATURAL
RYSTALS OF CALCITE AND BARITE MASERS
ER SER. 60, ISSUE 452 N63-20413 20-25

IRECT CURRENT ELECTROLUMINESCENCE BY MANGANESE-
CTIVATED ALUMINUM OXIDE ANODIC METAL FILMS
FCRL-63-153 N63-20592 20-07

NE-PHONON RESONANCES IN INELASTIC SCATTERING OF
EUTRONS BY ANHARMONIC CRYSTALS
N63-20628 20-25

IRECT CONTACT AMONG GALACTIC POPULATIONS BY
ELATIVISTIC INTERSTELLAR SPACEFLIGHT
N63-20930 21-29

UPPLEMENTARY CYLINDER DRAG DATA FOR TRANSITION
LOW CONDITIONS
S-63-3 N63-20947 21-02

URFACE AND ATMOSPHERIC FEATURES OF JUPITER
ELATED TO JOVIAN RED SPOT MOVEMENT

N63-21355 22-05

AURORAL ZONE X-RAY EVENTS N63-21538 22-12

AURORAL ZONE X-RAY EVENT - PERIODICITY IN X-RAY INTENSITY ATTRIBUTED TO VARIATIONS IN FLUX OF ELECTRONS INCIDENT ON ATMOSPHERE
N63-21539 22-12

AURORAL ZONE X-RAY EVENTS - FLUXES OF AURORAL ZONE X-RAYS DURING MAGNETIC RAY ACTIVITY OBSERVED DURING HIGH ALTITUDE BALLOON FLIGHTS
N63-21540 22-12

AURORAL ZONE X-RAY EVENTS - GEOMAGNETIC VARIATION WITH ELECTRON BOMBARDMENT OF ATMOSPHERE
N63-21541 22-12

MOMENTUM TRANSFER BY MOLECULAR BEAM TECHNIQUES - GAS DYNAMICS N63-21581 22-23

RAREFIED GAS DYNAMICS - TRANSITION FLOW IN GASES OF SIMPLE, NONREACTING, ELECTRICALLY NEUTRAL MOLECULES N63-21600 22-11

RAREFIED GAS DYNAMICS - EXPERIMENTAL DETERMINATION OF SPHERE DRAG COEFFICIENTS IN SUPERSONIC RAREFIED GAS N63-21601 22-11

RAREFIED GAS DYNAMICS - BORDERS OF FREE MOLECULAR TRANSITION REGION N63-21605 22-02

SELECTED VALUES OF THERMODYNAMIC PROPERTIES OF METALS AND ALLOYS N63-21929 22-18

RADIO FREQUENCY INTERACTION PROPERTIES OF ANODE STRUCTURE SUITABLE FOR COLD-CATHODE HIGH-POWER MAGNETRONS
IER SER. 60, ISSUE 455 N63-22041 22-09

CLOSED LOOP DYNAMICS OF NUCLEAR ROCKET ENGINES WITH BLEED TURBINE DRIVE N63-22307 23-27

DISPERSION RELATIONSHIP FOR WAVES ON MOVING PLASMA AND BOUNDED, FINITE TEMPERATURE PLASMA IN ELECTROMAGNETIC FIELD
AFCRL-63-195 N63-22384 23-24

THERMAL SPECTRAL RADIATION OF POLISHED & COATED METALS
WADD-TR-60-370, PART III N63-22597 23-13

ADENINE FORMATION FROM METHANE, AMMONIA, & WATER BY ELECTRON IRRADIATION N63-22606 23-16

CORRELATION EFFECTS IN ATOMIC STRUCTURE USING RANDOM PHASE APPROXIMATION EXTENSION OF HARTREE-FOCK THEORY N63-23075 24-23

DIATOMIC GAS OPTICAL MASER WITH EXCITED ATOMS PRODUCED THROUGH PHOTOCHEMICAL DECOMPOSITION
AROD-3323-3 N63-23167 24-25

ORIGIN OF LIFE ON EARTH RELATED TO EXTRA-TERRESTRIAL LIFE N63-23454 24-16

ONE-DIMENSIONAL POROUS ELECTRODE FLOW MODEL
NASA-CR-52185 N63-23649 24-06

CALIFORNIA U., BERKELEY. LAWRENCE RADIATION LAB.
CONTROLLED THERMONUCLEAR RESEARCH
UCRL-10294 N63-10141 01-23

MEASUREMENTS OF LIFETIMES, EXCITATION FUNCTIONS, DENSITIES, CROSS SECTIONS, AND POLARIZATION RATIOS OF THE METASTABLE STATE OF THE NEON ATOM
UCRL-10477 N63-10504 01-23

MATRIX ISOLATION STUDIES OF HIGH TEMPERATURE SPECIES GROUP II CHLORIDES
UCRL-10451 N63-10863 02-07

HIGH ENERGY NUCLEAR REACTIONS OF NIOBIUM WITH INCIDENT PROTONS AND HELIUM IONS
UCRL-10461 N63-10870 02-23

SPONTANEOUS FISSION OF THE HEAVIEST ELEMENTS
UCRL-10474 N63-10871 02-23

MOLECULAR-BEAM ELECTRIC-RESONANCE SPECTROMETER AND RADIO FREQUENCY SPECTRA OF LITHIUM FLUORIDE
UCRL-10482 N63-10872 02-07

RANDOM PHASE APPROXIMATION APPLIED TO ATOMIC STRUCTURE
UCRL-10510 N63-11136 03-23

CONCENTRATION AND VELOCITY PROFILES IN A STEFAN DIFFUSION TUBE
UCRL-10421 N63-11177 03-15

INTERACTION BETWEEN A PLASMA AND A TRAVELING WAVE
UCRL-6947-T N63-11224 03-24

LOW TEMPERATURE HEAT CAPACITY OF TIN AND INDIUM
UCRL-10426 N63-11796 04-23

DEFORMATION AND FRACTURE OF POLYCRYSTALLINE LITHIUM FLUORIDE
UCRL-10435 N63-11797 04-19

PROLOG, A COMPUTER PROGRAM FOR PROJECT MANAGEMENT RELATING ACTIVITIES TO PROJECT DURATION AND CALENDAR TIME
UCRL-10491 N63-11798 04-20

CHEMISTRY OF HEXACHLORODIGERMANE
UCRL-10437 N63-11997 05-07

GASEOUS PERMEATION THROUGH GLASS, SINGLE-CRYSTAL SILICON AND GERMANIUM, AND EFFECT OF INDUCED STRESS ON PERMEATION THROUGH ALUMINA BODIES
UCRL-10466 N63-11998 05-25

MECHANICAL BEHAVIOR OF SINGLE AND POLYCRYSTALLINE CESIUM BROMIDE - MECHANISMS OF PLASTIC DEFORMATION AND FRACTURE
UCRL-10468 N63-11999 05-19

EFFECTS OF ION HYDRATION IN SOLVENT EXTRACTION AND ION EXCHANGE
UCRL-10505 N63-12000 05-07

ELECTRON ENERGY AND IONIZATION RATES IN HYDROGEN WITH CROSSED ELECTRIC AND STRONG MAGNETIC FIELDS, INCLUDING INELASTIC COLLISIONS
UCRL-10366 N63-12419 06-23

ENERGY EXCHANGE BETWEEN COLD GAS MOLECULES AND HOT TUNGSTEN SURFACE - PRESSURE DEPENDENCE OF MOLECULE ADSORPTION AND DESORPTION
UCRL-10504 N63-12420 06-23

KINETIC ANALYSIS OF CONSECUTIVE-REACTION MODEL SYSTEMS
UCRL-10575 N63-12421 06-07

NUCLEAR REACTIONS INDUCED BY PIONS AND PROTONS - EXCITATION FUNCTION EVIDENCE FOR ELEMENTARY PARTICLE COLLISIONS IN NUCLEAR MATTER
UCRL-10531 N63-12422 06-23

HYPERFINE STRUCTURES AND NUCLEAR MAGNETIC MOMENTS BY ATOMIC-BEAM RADIO FREQUENCY SPECTROSCOPY
UCRL-10321 N63-12939 07-23

BIBLIOGRAPHY FOR HINDERED INTERNAL ROTATION AND MICROWAVE SPECTROSCOPY
UCRL-10404 N63-12940 07-07

TABLE OF KINETIC ENERGY VS. MAGNETIC RIGIDITY FOR ELECTRONS
UCRL-10494 N63-12941 07-07

INHOMOGENEOUS DEFLECTING MAGNETS FOR USE IN MAGNETIC ANALYSIS OF ATOMIC AND MOLECULAR BEAMS
UCRL-10526 N63-12942 07-15

NATURAL BOUNDARY OF ELASTIC TWO-PARTICLE SCATTERING AMPLITUDE
NCRL-10615 N63-12943 07-23

CLOSED ECOLOGICAL LIFE SUPPORT UNIT - SPACE CABIN WATER, OXYGEN, AND FOOD SUPPLY
UCRL-10589 N63-13073 07-16

BEVATRON OPERATION & DEVELOPMENT - HYDROGEN BUBBLE CHAMBER & SPARK CHAMBER STUDY OF NUCLEAR REACTIONS
UCRL-10347 N63-13563 08-23

PERTURBATION THEORY RULES FOR COMPUTING SELF-ENERGY OPERATOR IN QUANTUM STATISTICAL MECHANICS
UCRL-10562 N63-13565 08-23

SCINTILLATION OF ARGON AND HELIUM
UCRL-10523 N63-14079 09-23

PHYSICS REPORT - BUBBLE CHAMBER, PARTICLE THEORY, PION, HEAVY ION, S-MATRIX, ATOMIC BEAMS, SCATTER, X-RAY STUDY, INTERACTIONS
UCRL-10572 N63-14080 09-23

EAST-WEST ASYMMETRY IN THE FLUX OF MIRRORING GEOMAGNETICALLY TRAPPED PROTONS
UCRL-10587 N63-14081 09-12

MECHANISM OF LIQUID-LIQUID SETTLING
UCRL-10625 N63-14082 09-23

INFLUENCE OF HIGH PRESSURES ON MOSSBAUER EFFECT IN DYSPROSIUM-161
UCRL-10630 N63-14083 09-23

CONTROLLED THERMONUCLEAR RESEARCH REPORT
UCRL-10607 N63-14600 10-24

BIOCHEMISTRY - PHOTOSYNTHESIS, AMINO ACIDS, CHLOROPLAST, SPECTROPHOTOMETRY, AND METEORITES
UCRL-10634 N63-14631 10-07

CARBON-14 AND NITROGEN-15 TRACER STUDIES OF AMINO ACID SYNTHESIS DURING PHOTOSYNTHESIS BY CHLORELLA
N63-14632 10-07

PHOTOSYNTHETIC PROPERTIES OF SPINACH CHLOROPLAST LAMELLAE SUB-UNITS N63-14633 10-16

USE OF NUCLEAR ACTIVATION REACTION 18-OXYGEN, 21-NEON FOR 18-OXYGEN ANALYSIS
N63-14634 10-23

SPECTROPHOTOMETER FOR PRODUCING ABSORPTION CHANGE
N63-14635 10-16

ULTRAVIOLET ABSORPTION BY MURRAY METEORITE - RESIN TREATMENT N63-14636 10-07

TRANSPORT CALCULATIONS FOR PROTON SHIELDING
N63-15149 11-28

SHIELDING METHODS FOR HIGH-ENERGY ACCELERATORS APPLIED TO SPACECRAFT SHIELDING
N63-15157 11-32

PREDICTION AND CONTROL OF NUCLEAR REACTIVITY LIFETIME AND BURNUP OF NUCLEAR FUELS FOR POWER REACTORS
UCRL-10614 N63-15229 11-26

FREE BOUNDARY MIGRATION AND FRACTIONATION OF CELL MIXTURES - SEDIMENTATION AND ELECTROPHORESIS
UCRL-10640 N63-15319 12-11

HYPERFINE STRUCTURE OF ERBIUM-169 AND RADIOACTIVE ISOTOPES OF REFRACTORY ELEMENTS
UCRL-10609 N63-15487 12-23

DESIGN OF DIFFERENTIAL CALORIMETER FOR MEASUREMENT OF HIGH TEMPERATURE HEATS OF SOLID STATE REACTIONS
UCRL-10631 N63-15488 12-24

STUDY OF NUCLEAR ZEEMAN EFFECT IN GOLD-197
UCRL-10649 N63-15614 12-25

LOW NUCLEON MOMENTUM TRANSFER COLLISIONS - PION-PION INTERACTIONS
UCRL-10703 N63-15889 13-23

NEUTRON TISSUE DOSE AT LONG RANGE FROM ELEVATED, UNSHIELDED, FISSION REACTOR
UCRL-10559 N63-16035 13-16

ANGULAR AND ENERGY DISTRIBUTION IN PI-NUCLEON SYSTEM AT 365 AND 432-MEV
UCRL-10585 N63-16036 13-23

SPLIT BEAM PHOTOELECTRIC SCANNER FOR MEASURING

HANGES IN OPTICAL DENSITY FOR MATERIALS IN ULTRA-
ENTRIFUGE
UCRL-10499 N63-16149 13-15

EVALUATION OF PRESSURE PULSE TRANSDUCERS BY
IEASURING SEISMIC WAVE TRAVEL TIMES - SEDAN
ROJECT
NE-235F N63-16203 13-12

OLARIZATION OF RECOIL PROTONS IN PION-PROTON
LASTIC SCATTERING
UCRL-10629 N63-16501 14-25

EGGE POLES - PARTICLE SCATTERING
UCRL-10677 N63-16502 14-23

ORMATION OF ENERGETIC FRAGMENT IONS BY
OMBARDMENT OF ORGANIC MOLECULES WITH SLOW
LECTRONS
UCRL-10687 N63-16503 14-24

CTIVATION ENERGY FOR SUBLIMATION OF GALLIUM
ITRIDE
UCRL-10702 N63-16504 14-23

OURCE POSITIONS AND EXIT PATHS FOR BEVATRON BEAMS
UCRL-10705 N63-16505 14-24

LIQUID-LIQUID INTERFACIAL-TENSION MEASUREMENT WITH
OSCILLATING JET
UCRL-10717 N63-16506 14-11

CONDITIONS FOR DISCRETENESS OF SPECTRUM OF
INGULAR ELLIPTIC OPERATORS - CONSIDERATION OF
IRICHLET OPERATOR
UCRL-10744 N63-16507 14-20

NUCLEAR CHEMISTRY RESEARCH - ANNUAL REPORT
UCRL-10624 N63-16538 14-07

LINEAR COMPUTATION OF FUNCTION APPROXIMATION FOR
APPLICATION TO FITTING AND EDITING TWO-DIMENSIONAL
DATA
UCRL-10734 N63-16561 14-20

EFFECT OF SINGLE PION EXCHANGE IN THE REACTION
PROTON PLUS PROTON YIELDS NEUTRON PLUS PROTON PLUS
PI-MESON
UCRL-10718 N63-16571 14-23

NUCLEAR SPINS OF COPPER-62 AND IRON-59 - HYPERFINE
STRUCTURE SEPARATION OF COPPER-61 & COPPER-64 -
ATOMIC BEAM MAGNETIC RESONANCE MEASUREMENT METHOD
UCRL-10780 N63-16573 14-23

ABSOLUTE INTENSITY OF CARBON MOLECULE 0-0 SWAN
BAND - EMISSION AND ABSORPTION MEASUREMENTS
UCRL-10620 N63-17023 15-23

LUMINESCENCE OF CRYSTALLIZED CELL NUCLEUS EXTRACTS
UNDER IONIZING RADIATION - BIOCHEMISTRY
UCRL-10724 N63-17024 15-19

ZINC OXIDE VAPORIZATION AND THERMODYNAMIC
PROPERTIES
UCRL-10708 N63-17156 15-18

ULTRAVIOLET-ABSORBING COMPOUNDS REPORTED PRESENT
IN MURRAY METEORITE
NASA-CR-50299 N63-17157 15-12

INELASTIC COLLISION OF PIONS AND NUCLEONS
UCRL-10720 N63-17186 15-23

PI-MESON SCATTERING IN BUBBLE CHAMBER
UCRL-10563 N63-17240 15-23

LONGITUDINAL DISPERSION IN EXTRACTION COLUMNS -
LIQUID AND TWO PHASE FLOW IN AXIAL DIRECTION
UCRL-10696 N63-17488 16-11

TABLES OF ANISOTROPY FACTORS TO DETERMINE, BY
ASSOCIATED PARTICLE METHOD, TOTAL NEUTRON YIELDS
FROM NUCLEAR REACTIONS
UCRL-10752, SUPPL. N63-17619 16-23

INORGANIC CHEMISTRY, THERMODYNAMICS, SOLID STATE
PHYSICS, KINETICS, ELECTROCHEMISTRY, METALLURGY
AND CERAMICS, MICROSTRUCTURE, AND REACTOR MATERIAL
UCRL-10706 N63-17705 16-07

ELECTROSTATIC DEFLECTOR FOR BEAMSHAPING IN
SECTOR-FOCUSED CYCLOTRON
UCRL-10654 N63-18000 16-09

STATE EQUATION OF GAS MIXTURE AT CRITICAL PRESSURE
AND TEMPERATURE
UCRL-10650 N63-18056 16-20

DEFLECTOR POWER SUPPLY FOR SECTOR-FOCUSED
CYCLOTRON
UCRL-10655 N63-18300 17-09

DEPTH-DOSE RATE OF NEUTRON IRRADIATION OF HUMAN
BODY - MATHEMATICAL MODELS
UCRL-10267 N63-18348 17-16

HAZARD OF PROTON-INDUCED IONOSPHERIC RADIATION TO
SPACE FLIGHT SAFETY N63-18775 17-28

PULSE MODULATION DEVICE USED AS AMPLIFIER,
MULTIPLIER AND DIVIDER
UCRL-10754 N63-18814 18-15

LONGITUDINAL MIXING EXPERIMENTS IN PACKED GAS
ABSORPTION COLUMNS USING TRACER-INJECTION
TECHNIQUE - LIQUID & GAS PHASE PECLET NUMBERS
UCRL-10394 N63-18823 18-11

MECHANICS OF MOLECULAR PHOTODISSOCIATION
UCRL-10438 N63-18896 18-23

STATIC AND DYNAMIC UNIAXIAL TENSILE STRESS ON THE
STEADY STATE PERMEATION OF HELIUM THROUGH
MULTIPHASE, POLYCRYSTAL CERAMICS & FUSED SILICA
UCRL-10755 N63-18986 18-24

EFFECTS OF FINAL-STATE INTERACTIONS ON SCATTERING
PROCESSES FOR PARTICLES NOT SUSCEPTIBLE TO DIRECT
SCATTERING EXPERIMENTS - NUCLEAR PARTICLES
UCRL-10762 N63-18992 18-24

ELEMENTARY-PARTICLE PHYSICS
UCRL-8030, REV. N63-19002 18-25

FABRICATION OF NEW SOCKING FOR MASTER-SLAVE
MANIPULATORS - SHIELDING WORKER IN RADIOACTIVE
ENVIRONMENT - HANDLING EQUIPMENT
UCRL-9638 N63-19016 18-16

HIGH ENERGY KAON-NUCLEON SCATTERING - PARTIAL
WAVE AMPLITUDES IN CROSS CHANNELS
UCRL-10834 N63-19039 18-09

ELECTRICAL CONTROL SYSTEM OF THE BEVATRON
UCRL-10396 N63-19222 18-09

BEVATRON OPERATION - K INTERACTIONS IN HYDROGEN,
POLARIZATION OF MU MESONS, PION BEAM INTERACTIONS,
MUON SCATTERING
UCRL-10613 N63-19223 18-23

BIO-ORGANIC CHEMISTRY
UCRL-10743 N63-19224 18-07

ELECTRONIC, NUCLEAR & HYPERFINE STRUCTURE OF
ERBIUM-171, TERBIUM-161 AND THULIUM-171
UCRL-10747 N63-19225 18-23

SPACE, ATOMIC, NUCLEAR, AND PLASMA PHYSICS
UCRL-10862 N63-19226 18-23

NEUTRAL-PION PRODUCTION FROM PROTON-PROTON
COLLISIONS AT 735 MEV
UCRL-10621 N63-19401 19-23

INSTABILITY OF ALTERNATING-CURRENT POSITIVE COLUMN
IN MAGNETIC FIELD
UCRL-10698 N63-19794 19-24

INSTABILITY IN THREE-PHASE MAGNETIC AMPLIFIER
OPERATION
UCRL-10855 N63-19925 19-09

INVERSION MATRIX FOR HELIUM-3 FAST-NEUTRON
SPECTROMETER
UCRL-10770 N63-20393 20-15

ANNEALING RESPONSE OF INTERNALLY OXIDIZED SILVER-MAGNESIUM ALLOYS
UCRL-10816 N63-20542 20-18

QUENCHED ALUMINUM SINGLE CRYSTAL DISLOCATION SUBSTRUCTURE
UCRL-10793 N63-20707 21-25

CROSS SECTIONS, ANGULAR DISTRIBUTION, AND POLARIZATIONS OF STRANGE PARTICLE PRODUCTION BY MESONS
UCRL-10838 N63-20712 21-23

ELASTIC POSITIVE K-MESON PROTON SCATTERING - POLARIZATION OF RECOIL PROTONS
UCRL-10813 N63-20897 21-23

ATOMIC PROCESSES GOVERNING DECAY OF HIGHLY IONIZED HYDROGEN PLASMA
UCRL-10849 N63-20898 21-24

EFFECT OF ANGULAR MOTION OF NUCLEUS ON RATIO OF ISOMERS, TE-119 & METASTABLE TE-119, FORMED BY LOW-ENERGY ION BOMBARDMENT
UCRL-10850 N63-20899 21-25

OPTICAL-POTENTIAL METHOD AND ITS APPLICATION TO ELECTRON SCATTERING BY ATOMIC HYDROGEN
UCRL-10878 N63-20900 21-23

INTERNAL IONIZATION EFFECT OF HEAVY-ION-INDUCED NUCLEAR REACTIONS AS FUNCTION OF TARGET THICKNESS
UCRL-10888 N63-21161 21-23

MEDICINE & BIOLOGY - METABOLIC STUDIES
NASA-CR-51526 N63-22193 23-16

KINEMATICS OF ELEMENTARY PARTICLES AS FUNCTION OF MOMENTUM - DYNAMIC QUANTITIES FROM ELEMENTARY PARTICLE-PROTON INTERACTION
UCRL-2426, VOL. III N63-22354 23-23

ANGULAR MOMENTUM IN HIGH-ENERGY NUCLEON-NUCLEON SCATTERING
UCRL-10331 N63-22355 23-23

CALCULATION OF PARTIAL VAPOR PRESSURE OF SULFURIC ACID DURING VAPOR PHASE TRANSITION
UCRL-10886 N63-22356 23-07

ELECTRIC CHARGE AND SURFACE PROPERTIES OF INTACT BIOLOGICAL CELLS
UCRL-10898 N63-22357 23-09

PREDICTION OF HIGH TEMPERATURE METALLIC PHASE DIAGRAM
UCRL-10701 N63-22669 23-18

MOLECULAR BIOLOGY OF CHLOROPHYLL-A
UCRL-10951 N63-22829 23-16

DRY SCRUBBER UNIT FOR LOW-LEAK VENTILATION SYSTEMS
UCRL-10953 N63-22830 23-23

NEUTRON ENERGY SPECTRA FROM NUCLEI EXCITED BY MU-MESON CAPTURE
UCRL-10516 N63-22831 23-23

RADIATION EFFECTS, BIOLOGY AND MEDICINE
NASA-CR-51998 N63-23017 24-16

CHEMICAL REACTIONS IN CROSSED MOLECULAR BEAMS
UCRL-10848 N63-23670 24-07

PION-PION RESONANCES FROM PION-NUCLEON INELASTIC INTERACTIONS
UCRL-10731 N63-23706 24-23

TRANSITION PATHS OF NEGATIVE MUONS CAPTURED IN SOLID LITHIUM
UCRL-10965 N63-23712 24-23

CALIFORNIA U., DAVIS.
ENERGY AND MASS TRANSFERS NEAR THE GROUND - INFLUENCE OF SOIL-PLANT-ATMOSPHERE SYSTEM
N63-18827 18-12

CALIFORNIA U., LA JOLLA.
ELECTRON PROBE MICROANALYSIS OF ORGUEIL METEORITE FOR EXTRATERRESTRIAL LIFE N63-13089 07-03

GENESIS OF LIGHT-DARK STRUCTURE IN PANTAR AND KAPOETA STONE METEORITES N63-13601 08-03

CARBON 14 CONTENT AND TERRESTRIAL AGE OF TWELVE STONY METEORITES AND ONE IRON METEORITE
N63-15276 12-29

METEORITE COMPOSITION - ISOTOPES & ELEMENT ABUNDANCE IN SPACE N63-15292 12-29

MICROPROBE OF RARE MINERAL IN NORTON COUNTY ACHONDRITE N63-15301 12-07

CORRELATION BETWEEN TWO GAS RETENTION AGE GROUPS AND HIGH AND LOW IRON GROUP CHONDRITES
N63-15933 13-07

RARE GASES IN SUN, ATMOSPHERE, AND METEORITES
N63-16224 13-29

ENERGY LEVELS OF LINEAR CHAINS FOLLOWING HEISENBERG THEORY - ANTIFERROMAGNETIC GROUND STATE
N63-16282 13-23

ELECTRON MICROPROBE ANALYSIS OF BLACK SPHERULES FOUND IN PACIFIC ISLANDS DEEP SEA SEDIMENTS, AND ANTARCTIC ICE
NASA-CR-50028 N63-16675 14-12

UREY-CRAIG GROUPS OF CHONDRITES AND THEIR STATES OF OXIDATION
NASA-CR-50011 N63-16720 14-07

COSMIC RADIATION INTENSITY IN IRON METEORITES - SPALLATION PRODUCT BY PROTON IRRADIATION OF IRON
NASA-CR-50194 N63-16884 14-25

STABLE VANADIUM, CALCIUM, AND POTASSIUM ISOTOPES PRODUCED IN IRON METEORITES BY COSMIC RAYS
NASA-CR-50176 N63-17134 15-12

RADIOACTIVE NUCLIDES IN CHONDRITIC BRUDERHEIM METEORITE AND OTHER STONY METEORITES
NASA-CR-50181 N63-17153 15-12

MICROMETEORITE ANALYSIS - ELECTRON MICROPROBE - METALLIC INCLUSIONS
NASA-CR-50327 N63-17341 15-05

CLASS OF ENERGY LEVELS FOR HEISENBERG LINEAR CHAIN
N63-17957 16-23

NOBLE GAS ABUNDANCE IN EARTH ATMOSPHERE AND IN METEORITES
NASA-CR-50315 N63-18418 17-12

ORIGIN OF METEORITIC CHONDRULES - IGNIMBRITIC ORIGIN BY HYPOTHESIS AND EXPERIMENT
N63-21352 22-05

AGE OF THE MOON, CHEMICAL COMPOSITION, GEOLOGICAL ASPECTS, STRESS AND COOLING HISTORY
N63-21618 22-29

LIGHT-DARK STRUCTURE OF PANTAR CHONDRITE AND KAPOETA ACHONDRITE STONY METEORITES
N63-23620 24-29

CALIFORNIA U., LIVERMORE. LAWRENCE RADIATION LAB.
PLUTO REACTOR TEST FACILITY DESCRIPTION
UCRL-7036, PT. 8 N63-10074 01-10

CERENKOV RESPONSE OF LUCITE AND QUARTZ TO GAMMA AND CERENKOV FAST NEUTRON RADIATION
UCRL-7032 N63-10115 01-23

LASERS - BIBLIOGRAPHY
UCRL-6769 N63-10461 01-23

PLASMA DYNAMICS - POINT CHARGES, INDIVIDUAL ION MOTION, TRANSPORT EQUATIONS, MACROSCOPIC BEHAVIOR
UCRL-6879 N63-10500 01-24

PARALLEL PLANE THERMIONIC CONVERTER TUBE WITH VARIABLE INTERELECTRODE GAP
UCRL-7031 N63-10548 01-06

TRANSPORT PROPERTIES OF AIR
UCRL-7052 N63-11178 03-23

TEMPERATURE, VOLUME, PRESSURE TABLES OF THE THERMODYNAMIC FUNCTIONS OF WATER
UCRL-7118 N63-11179 03-23

BERYLLIUM OXIDE CERAMICS AND THEIR APPLICATION IN NUCLEAR PROPULSION SYSTEM - PLUTO PROJECT
UCRL-6743 N63-11996 05-19

MAGNETIC FIELD CONFIGURATION & SELF-CONSISTENT DISTRIBUTION OF ELECTRONS IN ASTRON MACHINE E-LAYER
UCRL-6942 N63-12060 05-12

HIGH ENERGY BREMSSTRAHLUNG FROM PROTON-NUCLEUS COLLISIONS
UCRL-7001 N63-12423 06-23

FUSION CURVES OF ALUMINUM, GALLIUM, INDIUM, AND THALLIUM AT HIGH PRESSURE AND PHASE TRANSFORMATION OF URANIUM
UCRL-7128 N63-12424 06-07

IONIZATION OF ALKALI ATOMIC BEAM BY ELECTRON BOMBARDMENT
UCRL-7087 N63-13046 07-23

INVERTED CASCADES IN NEUTRAL INJECTION SYSTEMS AND LORENTZ IONIZATION
UCRL-7115 N63-13047 07-24

HEAT-TRANSFER COEFFICIENT AND PRESSURE DROP FOR FORCED-CONVECTION BOILING OF N-BUTANOL IN UNIFORMLY HEATED TUBE
UCRL-10527 N63-13564 08-13

TORY II-C PROGRAM - NUCLEAR PROPULSION R&D INSTRUMENTATION AND DATA PROCESSING
UCRL-7036, PT. 6 N63-13575 08-15

FISSION DISTRIBUTION IN SEVEN-PIN CLUSTER FUEL ELEMENTS BY THERMAL NEUTRONS
UCRL-6695 N63-13612 08-26

HAZARDS CONTROL - DETECTION OF AIRBORNE LONG-LIVED ALPHA EMITTING RADIOACTIVE ISOTOPES
UCRL-7143 N63-13613 08-23

THERMODYNAMIC FUNCTIONS FOR CARBON DIOXIDE IN THE RANGE 40-DEG C TO 1000 DEG C AND 1 BAR TO 1400 BARS PRESSURE
UCRL-7168 N63-13614 08-23

CURRENT BERYLLIUM LITERATURE - BIBLIOGRAPHY JAN 1961 - DEC 1962
UCRL-5705/SUPPL. 2/ N63-14597 10-18

DRY COMBUSTION PROCEDURE FOR SULFUR DETERMINATION IN BERYLLIUM OXIDE AND BERYLLIUM OXIDE FUEL ELEMENTS
UCRL-7204 N63-14598 10-07

MEASUREMENT OF HIGH INTENSITY GAMMA RADIATION - DOSIMETRY, ACCELERATORS, VICTOREEN IONIZATION CHAMBER
UCRL-7223 N63-14599 10-15

CONTROLLED-POTENTIAL COULOMETER FOR CHEMICAL ANALYSIS
UCRL-7165 N63-15092 11-15

COUPLING EFFECT OF HAFNIUM CONTROL ROD IN BERYLLIUM OXIDE, ORALLY-FUELED SYSTEM
UCRL-7262 N63-15093 11-23

SITE OF INTERSTITIAL SOLID SOLUTION FORMATION IN BODY CENTERED CUBIC CRYSTAL LATTICE
UCRL-7184 N63-15101 11-18

NORMALIZATION OF EPITHERMAL URANIUM-235 FISSION CROSS SECTION
UCRL-7061 N63-15446 12-23

KINETICS OF SYMMETRICAL NUCLEAR FISSION - CHARGE DISTRIBUTION PROBLEM
UCRL-7280 N63-15486 12-23

MATERIAL TESTING AT HIGH PRESSURES - BIBLIOGRAPHY
UCRL-7160 N63-15654 12-01

NEAR-EARTH CHARGED-PARTICLE BACKGROUNDS MEASURED WITH POLAR ORBITING SATELLITES
UCRL-6693 N63-16034 13-28

ABSORPTION SPECTRA OF VARIOUS METALLIC HALIDES AND OXIDES, ELEMENTAL AND INERT GASES - BIBLIOGRAPHY
UCRL-7238 N63-16144 13-07

ORDERING IN NICKEL-MANGANESE PHASE TRANSFORMATION
UCRL-7210 N63-16564 14-18

INTERACTION BETWEEN PLASMA AND TRAVELING MAGNETIC DISTURBANCE
UCRL-7253 N63-16565 14-24

FUTURE TRENDS IN BERYLLIUM METALLURGY
UCRL-7289 N63-16566 14-18

HEATING MECHANISM FOR PLASMA
UCRL-7294 N63-17071 15-20

METHOD FOR SUPPRESSING PHOTOMULTIPLIER NOISE
UCRL-6886, REV. 1 N63-17537 16-09

MECHANICAL AND THERMODYNAMIC PROPERTIES OF REFRACTORY ALLOYS OF TRANSITION METALS AND CARBIDE - BIBLIOGRAPHY
UCRL-7284 N63-17569 16-18

APPLICATION OF DEBYE MODEL TO SCATTERING OF CRYSTALS
UCRL-7267 N63-17617 16-25

TORY II-C PROJECT - NUCLEAR RAMJET ENGINE TEST IN BLOWDOWN WIND TUNNEL
UCRL-7145 N63-18003 16-27

PHYSICAL CHANGES AND TRANSITIONS IN SAMPLES SUBJECTED TO SHOCK WAVES FROM NUCLEAR EXPLOSIONS - GNOME PROJECT
PNE-112F, PT. I N63-18907 18-33

TENSOR CODE - CYLINDRICALLY SYMMETRIC PROBLEMS WITH TWO SPATIAL VARIABLES - NUMERICAL ANALYSIS
UCRL-7316 N63-19162 18-23

SAFETY - RADIATION, VENTILATION, & REACTOR HAZARDS CONTROL
UCRL-7254 N63-19640 19-16

GNOME PROJECT - SHOCK WAVE PROPAGATION AND PARTICLE VELOCITY PROFILES
PNE-104F N63-19709 19-23

TOTAL REACTION CROSS SECTIONS FOR PROTONS, DEUTERONS, AND ALPHA PARTICLES
UCRL-10783 N63-19817 19-23

ELECTRON SPECTRA AND FLUXES TRAPPED IN EARTHS MAGNETIC FIELD FOLLOWING RECENT HIGH ALTITUDE NUCLEAR EXPLOSIONS OF STARFISH PROJECT
UCRL-7309, REV. I N63-19921 19-12

COMMAND RESONANCE CHARGING SYSTEM FOR ASTRON ACCELERATOR - THERMONUCLEAR REACTION
UCRL-7363 N63-20781 21-24

INDICATING FUSE FOR ENERGY-STORAGE CAPACITOR BANKS
UCRL-7191 N63-20895 21-09

TEST RESULTS OF A SODIUM CRYOGENIC COIL
UCRL-7401 N63-20896 21-23

TRANSPORT COEFFICIENTS OF A SYSTEM OF HARD SPHERES WITH SQUARE WELL ATTRACTIVE FORCES
UCRL-7376 N63-21041 21-23

METHODS OF RADIATION HAZARDS CONTROL
UCRL-7355 N63-21411 22-23

CRITICAL ASSEMBLY WORK IN SUPPORT OF NEUTRONIC CALCULATIONS FOR PROPULSION REACTOR DEVELOPMENT
N63-22302 23-27

CRITICALITY EXPERIMENTS & CALCULATIONS FOR HIGH TEMPERATURE, GRAPHITE MODERATED ASSEMBLIES WITH

SIMPLE GEOMETRIES - REACTOR DESIGN
N63-22303 23-27

PLUTO REACTOR TEST FACILITY DEVELOPMENT - COST, HISTORY, AND SYSTEM DESIGNS
N63-22309 23-27

PREPARATION OF BACKED AND UNBACKED HEAVY-ELEMENT TARGETS
UCRL-6989 N63-22561 23-23

AUTOMATED SCATTERING CHAMBER FOR CHARGED PARTICLE SCATTERING EXPERIMENTS
UCRL-7427 N63-22603 23-23

BASE SURGE CLOUD RADIUS AND HEIGHT AS FUNCTION OF TIME FOR PRE-BUGGY SERIES OF HIGH EXPLOSIVE SHOTS - PLOWSHARE PROGRAM
PNE-304 N63-23569 24-21

CALIFORNIA U., LOS ANGELES.
SUCCESSIVE APPROXIMATIONS TO LYAPUNOV FUNCTIONS IN CONTROL OPTIMIZATION PROBLEMS
N63-10324 01-20

PIEZOELECTRIC-MAGNETOSTRICTIVE COUPLING IN DIGITAL DEVICES
N63-10325 01-23

ESTIMATION OF VARIANCES FOR RADIO DIRECTION FINDING EQUIPMENT
N63-10415 01-08

ATMOSPHERIC LOSS FROM EARTH AND PRODUCTION OF TRITIUM AND HELIUM IN SOLAR FLARES
N63-10460 01-12

STABILITY OF FILM BOILING TWO-PHASE FLOW IN CRYOGENIC SYSTEMS
N63-10641 02-23

INTERNAL CONSTITUTION OF THE INNER PLANETS
N63-10948 02-29

NUMERICAL METHODS STABILITY QUESTIONS FOR DIFFERENTIAL EQUATIONS
N63-11647 04-20

PHYSIOLOGY - THERMAL STRESS IN HUMAN BODY, SWEATING
AMRL-TDR-62-131 N63-11922 04-16

INTERPLANETARY MAGNETIC FIELDS - MARINER II OBSERVATIONS
N63-12082 05-32

L AND K KERNELS ON ARBITRARY RIEMANN SURFACE
AROD-1517-44 N63-12127 05-20

NUMERICAL ERRORS IN INTEGRATION OF BAROTROPIC FLOW ON SPHERICAL GRID
AFCRL-62-1073 N63-12469 06-21

EFFECT OF FINITE DIFFERENCES ON GROWTH RATES OF UNSTABLE WAVES IN SIMPLE BAROCLINIC MODEL
AFCRL-62-1078 N63-12470 06-21

BIOCHEMISTRY - RADIOBIOLOGY - MEDICINE - BIOPHYSICS - NUCLEAR RADIATION - PHARMACOLOGY - TOXICOLOGY
UCLA 510 N63-12946 07-16

EFFECT OF ELASTIC INTERACTION ON RATE OF CLUSTER GROWTH IN METAL CRYSTALS - POINT DEFECTS MIGRATION
AROD-2064-4 N63-13052 07-18

LAMINAR INCOMPRESSIBLE JET FLOW FROM FREE JETS
N63-13399 08-11

SPIN WAVES AND NUCLEAR MAGNETIC RESONANCE ENHANCEMENT IN NICKEL FLUORIDE DOMAIN WALLS
N63-14372 10-23

BIBLIOGRAPHY ON MEROMORPHIC FUNCTIONS IN MATHEMATICS
AROD-1517-51 N63-14615 10-20

THEORY OF CYCLONE WAVES IN ATMOSPHERIC MODELS - SYMMETRIC WAVE APPROACH TO INSTABILITY OF STRATIFIED SHEAR FLOW
AFCRL-63-238 N63-15536 12-11

MEASURING HUMAN PERFORMANCE UNDER TRANSIENT HEAT STRESS - METHODS FOR PSYCHOMOTOR TESTING
AMRL-TDR-63-1 N63-15571 12-14

FUNCTION SPACE METHODS IN CONTROL SYSTEMS OPTIMIZATION
N63-15628 12-09

OPTIMAL MODE SWITCHING IN CONTROL SYSTEMS
N63-15629 12-09

SYNTHESIS OF OPTIMAL CONTROL SYSTEMS
N63-15642 12-20

COMPRESSIBLE FLUID FLOW STABILITY AND AERODYNAMIC NOISE
N63-16325 13-11

GROWTH OF KNOWLEDGE OF EARTH OUTER RADIATION BELT
N63-16434 14-26

LANTHANIDE ION SPECTRA IN CRYSTALS - LATTICE VIBRATION OF LANTHANUM BROMIDE AND CHLORIDE
AROD-2099-13 N63-16520 14-25

PERTURBATION THEORY OF HEISENBERG ANTIFERROMAGNET
N63-16570 14-23

BOUNDS FOR ITERATES, INVERSES AND SPECTRAL VARIATION OF NON-NORMAL MATRICES
N63-16830 14-20

COVALENCY EFFECTS IN ABSORPTION SPECTRA OF PR 3-PLUS AND ND 3-PLUS IN LANTHANUM TRICHLORIDE AND LANTHANUM TRIBROMIDE
AROD-2099-12 N63-16852 14-25

EFFECT OF ELECTRIC STIMULATION OF BRAINS OF UNANESTHETIZED CATS - NEURAL RESPONSE TO SEPTAL AND HYPOTHALAMIC STIMULATION
AAL-TDR-62-14 N63-16868 14-16

ANALYTIC MAPPINGS INTO RIEMANN SURFACE
AROD-1517-52 N63-16947 14-20

SHIVERING - RESPONSE TO ANTI-PARKINSON AND PSEUDO-PARKINSON DRUGS, ATROPINE AND RESERPINE
AAL-TDR-62-17 N63-17092 15-16

POTENTIAL FOR TELEMETRY IN RECORDING OF BRAIN WAVES FROM ANIMALS AND MEN EXPOSED TO STRESSES OF SPACE FLIGHT - BIOTELEMETRY
NASA-CR-50205 N63-17206 15-16

INTERPRETATION OF HIPPURAN RENOCYSTOGRAM - BLOOD FLOW IN KIDNEY BY RADIOACTIVE TRACER /IODINE-131/
UCLA-512 N63-17265 15-16

ANATOMY OF HYPOTHALAMUS AND FOREBRAIN - RELATION TO CONTROL OF SHIVERING
AAL-TDR-62-13 N63-17346 15-16

BRAIN COMPONENTS WHICH CONTROL OXYGEN CONSUMPTION AND BODY KINEMATICS
AAL-TDR-62-15 N63-17347 15-16

ACTIVATION AND SUPPRESSION OF SHIVERING IN CATS BY STIMULATION OF HYPOTHALAMUS AND SEPTAL REGION OF FOREBRAIN
AAL-TDR-62-16 N63-17348 15-16

BIOLOGICAL EFFECT OF LESIONS IN SEPTAL REGIONS AND HYPOTHALMUS ON SHIVERING AND HEAT LOSS USING CATS AS BIOLOGICAL SPECIMENS
AAL-TDR-62-18 N63-17349 15-16

THERMAL ENVIRONMENT CHAMBER FOR TRANSIENT RESPONSE TEMPERATURE CONTROL - RESPONSE OF HUMAN BODY TO EXTREME TEMPERATURE ENVIRONMENT
AMRL-TDR-63-15 N63-17490 16-10

PHYSICAL AND RADIOLOGICAL CHARACTERISTICS OF FALLOUT - UNDERGROUND NUCLEAR DETONATION - AERIAL RADIOMETRIC SURVEY
PNE-225P N63-17723 16-07

DETECTION TECHNIQUES IN COMPUTER ANALYSIS OF ELECTROENCEHALOGRAPHY RECORDS IN CATS
NASA-CR-50204 N63-17728 16-06

ELECTROENCEPHALOGRAPHY IN SIMULATED STRESSES OF SPACE FLIGHT WITH REFERENCE TO VIBRATION PROBLEMS
NASA-CR-50206 N63-17729 16-16

CHEMICAL PROTECTION AGAINST HEMATOPOIETIC, GASTROINTESTINAL AND CENTRAL NERVOUS SYSTEM RADIATION DAMAGE N63-18938 18-16

FUSION CURVES AND POLYMORPHIC TRANSITIONS OF GROUP III ELEMENTS /ALUMINUM, GALLIUM, INDIUM, AND THALLIUM/ AT HIGH PRESSURES N63-19292 18-07

PHOTOELECTRIC SKY BRIGHTNESS POLARIMETER
AFCRL-63-809 N63-19848 19-15

PHOTOGRAPHIC DOSIMETRY /NUCLEAR MEDICINE/ - ANNOTATED BIBLIOGRAPHY
UCLA-516 N63-20346 20-16

SPERNERS LEMMA AND SOME EXTENSIONS - MATRIX ANALYSIS N63-20388 20-20

NUCLEAR MEDICINE AND RADIOBIOLOGY RESEARCH
UCLA-515 N63-20640 20-16

BODY TEMPERATURE - SHIVERING & HEAT REGULATION - PHYSIOLOGY
AAL-TDR-62-12 N63-21397 22-16

NERVOUS CONTROL OF SHIVERING FROM PROSENCEPHALIC REGION OF BRAIN OF ANIMALS
AAL-TDR-62-11 N63-21681 22-16

FLUID MOTION AND SOUND N63-22338 23-11

GAMMA RADIATION EFFECTS ON SOLUTIONS OF ENZYMATIC CRYSTALLINE PAPAIN USING ULTRAVIOLET AND INFRARED SPECTROMETRY
UCLA-517 N63-22668 23-16

DISCRETE FREQUENCY SOUND GENERATED BY IMPINGEMENT OF UNSTABLE CIRCULAR JET ON FIXED OBJECT - ACOUSTICS N63-22919 23-23

THEOREMS, COROLLARIES, AND LEMMAS DEALING WITH APPROXIMATION THEORY N63-23411 24-20

CONTROL OF PLANE JETS BY AUXILIARY FLOWS - PHOTOGRAPHIC ANALYSIS OF WEDGE FLOW PATTERNS N63-23505 24-11

CALIFORNIA U., RIVERSIDE.

SPIN WAVE ELECTRON INTERACTION IN MAGNETIC SOLIDS N63-10159 01-23

TABLES OF NON-RELATIVISTIC ELECTRON TRAJECTORIES FOR FIELD EMISSION CATHODES N63-10498 01-23

BEHAVIOR OF SOLIDS UNDER PRESSURE - X-RAY ANALYSIS N63-12827 06-25

MECHANISM STUDIES WITH BORON HYDRIDES N63-13075 07-07

FIELD EMISSION SPECTROMETER TO MEASURE ELECTRON ENERGY DISTRIBUTION IN SEMICONDUCTORS N63-13593 08-15

HYDROPONICS - SOILLESS CULTURE OF PLANTS N63-14986 11-29

REACTION MECHANISMS OF BORON HYDRIDES N63-21460 22-19

PHYSICAL AND PREPARATIVE PROPERTIES OF TRANSITION METAL CHELATES - MOLYBDENUM, TUNGSTEN, AND NICKEL COMPOUNDS
ARL-63-160 N63-22397 23-07

SOLIDS UNDER PRESSURE - X-RAY DIFFRACTION, CURIE TEMPERATURE, DIELECTRIC CONSTANT, CONDUCTIVITY, & CONDUCTOR TO INSULATOR TRANSITION N63-22982 23-25

CALIFORNIA U., SAN DIEGO.

ATMOSPHERIC RADIATION - ATMOSPHERIC OPTICS AND VISUAL OBSERVATION PROBLEMS N63-18481 17-15

POSSIBILITY OF LIFE ON MARS - BIOCHEMISTRY N63-19479 19-16

ELECTRON PROBE X-RAY MICROANALYSIS OF ORGANIZED ELEMENTS IN THE ORGUEIL CARBONACEOUS METEORITE N63-20933 21-05

CALIFORNIA U., SANTA BARBARA.

REFLECTION SPECTRUM OF CUBIC ZINC SULFIDE IN THE INTERBAND TRANSITION REGION 4000-400A - PHOTON-ELECTRON INTERACTIONS N63-15288 12-23

CALLERY CHEMICAL CO., PA.

TOXIC HAZARDS OF PENTABORANE
AMRL-TDR-62-109 N63-10468 01-16

THERMAL ENERGY STORAGE MATERIALS
ASD-TR-61-187, PT. II N63-17682 16-13

CALOROBIC MATERIALS, INC., PEARL RIVER, N.Y.

FABRICATION OF TITANIUM DIBORIDE - TITANIUM NITRIDE - BORON NITRIDE ROCKET NOZZLE INSERTS
TR-371-9/4 N63-13138 07-17

ROCKET NOZZLE INSERTS OF TITANIUM DIBORIDES, TITANIUM NITRIDE AND BORON NITRIDE
WAL-TR-371.9/5 N63-16587 14-27

CAMBRIDGE ACOUSTICAL ASSOCIATES, INC., MASS.

SPHERICAL SHELL FREE AND FORCED VIBRATION - HARMONIC LOAD DISTRIBUTION
U-106-48 N63-14829 11-23

CAMBRIDGE SYSTEMS, INC., NEWTON, MASS.

WIND ERRORS FROM SALTON SEA METEOROLOGICAL INSTRUMENT TESTS
AFCRL-63-463 N63-16347 14-21

CAMBRIDGE U. /GT. BRIT./

REFINEMENT OF QUASI-STEADY-STATE APPROXIMATION IN CHEMICAL REACTION KINETICS BY SINGULAR PERTURBATION ANALYSIS
NASA-CR-50226 N63-17730 16-07

KINETICS AND SPECTRAL EMITTANCE OF CARBON MONOXIDE FLAME BANDS N63-18517 17-26

COMBUSTION ANALYSIS OF HYDROGEN, OXYGEN AND NITROGEN DIOXIDE MIXTURES N63-18520 17-26

DETERMINATION OF RATE CONSTANTS FOR ATOMIC RECOMBINATIONS INVOLVING HYDROGEN AND OXYGEN N63-18521 17-07

GROWTH AND DECAY OF HOT SPOTS - ESTIMATION OF CRITICAL CONDITIONS FOR EXPLOSION OCCURENCE N63-18529 17-26

CRYSTALLOGRAPHY - THERMAL DECOMPOSITION OF EXPLOSIVE CRYSTALS - EFFECT OF FISSION FRAGMENTS - INITIATION AND GROWTH OF EXPLOSION N63-18551 17-25

MASS SPECTROMETRY - OBSERVATIONS ON THE MECHANISMS OF IONIZATION IN FLAMES CONTAINING HYDROCARBONS N63-18559 17-26

CYCLOTRON RESONANCE STUDY OF IONIZATION IN LOW PRESSURE FLAMES - ELECTRON CONCENTRATIONS AND ELECTRON-MOLECULE COLLISIONS N63-18560 17-26

FLAME ANALYSIS - IONIZATION IN CYANOGEN FLAMES AT REDUCED PRESSURES BY THE CYCLOTRON RESONANCE METHOD N63-18561 17-26

RELATIONSHIP OF MECHANICAL PROPERTIES OF SINGLE CRYSTALS OF BODY CENTERED CUBIC METALS AND DISLOCATION STRUCTURES BY ELECTRON MICROSCOPY N63-19661 19-18

BASIC MECHANISMS OF CRACK PROPAGATION - METALLURGY N63-20083 20-18

CALCULATION OF ELECTRON DENSITY PROFILES - DATA CONVERSION OF TOPSIDE RADIO WAVE REFRACTION RECORDS FROM GROUND-BASED IONOSONDES N63-21004 21-12

FERROELECTRIC MATERIALS N63-22536 23-19

CANADIAN ARMAMENT RESEARCH AND DEVELOPMENT ESTABLISHMENT, VALCARTIER.

PREDICTION OF RADIATION FROM HYPERSONIC BLUNT BODIES, PART I - CHEMICAL KINETICS AND GASDYNAMICS

CARDE-TM-627/61 N63-10686 02-11

HEAT CONDUCTION IN THE SKIN OF A REENTRY VEHICLE - COMPUTER PROGRAM
CARDE-TM-66/62 N63-11696 04-20

ANALOG COMPUTER METHOD FOR TWO-DIMENSIONAL TRAJECTORY OF SINGLE-STAGE ROCKET VEHICLE
CARDE-TM-662/62 N63-12092 05-20

GASEOUS RADIATION CHARACTERISTICS OF BLUNT BODIES AT HYPERSONIC SPEEDS - PART II, FLOW FIELD SOLUTION IN SHOCK CAP
CARDE-TM-726/63 N63-13160 07-11

POLYURETHANE SOLID PROPELLANT FINITE WAVE AXIAL COMBUSTION INSTABILITY
CARDE-TN-1459/62 N63-15181 11-26

PULSE TECHNIQUE FOR ASSESSING FINITE WAVE AXIAL COMBUSTION INSTABILITY OF ALUMINIZED AMMONIUM PERCHLORATE-POLYURETHANE SOLID PROPELLANT
N63-15589 12-26

MEASUREMENT OF RADIATION FROM PROJECTILES IN HYPERSONIC FLIGHT
CARDE-TM-740/63 N63-16148 13-01

EFFECT OF STATIC STABILITY, PITCH DAMPING, ROLL & TRIM ANGLE ON HYPOTHETICAL NOSE CONE REENTRY VEHICLE
CARDE-TN-1559/63 N63-17179 15-30

RADIATION SPECTRUM GENERATED BY HYPERSONIC PROJECTILE
CARDE-TN-1557/63 N63-19973 19-23

HYPERVELOCITY IMPACT OF SOLID PROJECTILES INTO HOMOGENEOUS TARGET MATERIAL
CARDE-TM-623/61 N63-20729 21-33

OBSERVED RADIATION PATTERN DURING ACTUAL REENTRY AND SPECTROGRAPHIC STUDIES OF RADIATION FROM PROJECTILES IN HYPERSONIC FLIGHT
CARDE-TN-1564/63 N63-20919 21-23

SEPARATION & IDENTIFICATION OF SULFUR-FLUORINE AND NITROGEN-FLUORINE COMPOUNDS - GAS CHROMATOGRAPH TO MASS SPECTROMETER
CARDE-TN-1524 N63-22747 23-23

INTERACTION OF RADAR BEAM WITH IONIZED GASES SURROUNDING BLUNT BODY REENTERING EARTH ATMOSPHERE
CARDE-TR-466 N63-22924 23-24

ABSORPTION SPECTROSCOPY IN UNCONTAMINATED WAKES BEHIND HYPERSONIC PROJECTILES
CARDE-TR-465 N63-23333 24-11

CANADIAN WESTINGHOUSE CO., LTD., HAMILTON.
HIGH TEMPERATURE RESEARCH ON MECHANICAL PROPERTIES OF BERYLLIUM
CW-R&DL-31 N63-17556 16-18

CANTERBURY U., CHRISTCHURCH /N. ZEALAND/.
ANNUAL AND DIURNAL VARIATION OF METEOR RATES IN SOUTHERN HEMISPHERE
AFCRL-62-324 N63-12641 06-29

METEOR DISTRIBUTION AROUND EARTH ORBIT
N63-15042 11-21

METEORS AND MICROPULSATION IN EARTH MAGNETIC FIELD
N63-16656 14-05

ANNUAL VARIATION IN STRENGTHS OF HELION, APEX AND ANTIHELION SOURCES OF SPORADIC METEOR ACTIVITY
NASA-CR-50416 N63-18401 17-05

CARBORUNDUM CO., NIAGARA FALLS, N.Y.
MECHANICAL PROPERTIES OF CERAMIC SINGLE CRYSTALS - BORON DOPED SILICON CARBIDE CRYSTAL STRENGTH AND ELASTICITY N63-16579 14-19

MECHANICAL PROPERTIES OF CERAMIC SINGLE CRYSTALS - SILICON CARBIDE N63-20100 20-19

CERAMIC SINGLE CRYSTALS - MICROHARDNESS EFFECT OF BORON ADDITIONS TO SINGLE CRYSTAL SILICON CARBIDE
N63-22811 23-19

CARL GUSTAV CARUS CLINIC, DRESDEN /E. GERMANY/.
S35-AMINOETHYLCYSTINE TO EXAMINE FUNCTIONING OF THE PANCREAS N63-18965 18-16

CARNEGIE INST. OF TECH., PITTSBURGH, PA.
COOLING OF AN ANTIFERROMAGNET BY ADIABATIC MAGNETIZATION N63-10690 02-23

METAL CRYSTAL EVAPORATION MECHANISMS
N63-10750 02-18

A CONVOLUTION PRODUCT FOR DISCRETE FUNCTION THEORY
AROD-223-59 N63-13224 07-20

RATES OF FREE VAPORIZATION OF SINGLE SILVER CRYSTALS AS FUNCTION OF CRYSTAL ORIENTATION, MODE OF FACE PREPARATION, CONTAMINATION AND TEMPERATURE
N63-13830 09-23

SOLID SURFACE MORPHOLOGIES GOVERNED BY CAPILLARITY AND THERMODYNAMICS OF SURFACES - CRYSTAL ANISOTROPY
AROD-2781-3 N63-14361 10-23

ELECTRONIC EFFECTS IN BASE-CATALYZED ELIMINATION REACTIONS - ENERGY LEVEL AND MOLECULAR BONDING RELATED TO ISOMERISM OF POLYMERS
AROD-2336-2 N63-14616 10-07

INTERPRETATION OF MOSSBAUER SPECTRUM AREA
N63-15391 12-23

SPHERICAL NUCLEI WITH SIMPLE RESIDUAL FORCES - HAMILTONIAN & WAVE FUNCTIONS, ENERGY LEVELS, MASS NUMBERS, BETA DECAY N63-15727 12-23

BAYESIAN PROCEDURE FOR DETECTION OF PARAMETER SLIPPAGE IN DECISION PROBLEM
CIT-ORD-16-TR8 N63-15840 13-20

FATIGUE AND DEFORMATION OF PURE FCC CRYSTALS
N63-16120 13-18

MATHEMATICAL THEORY OF BEHAVIOR OF SIMPLE FLUIDS WITH FADING MEMORY - FLUID MECHANICS AND HYDRODYNAMIC EQUATION N63-17738 16-20

MECHANICAL PROPERTIES OF AUSTENITIC STAINLESS STEEL SINGLE CRYSTALS N63-17900 16-18

MAGNETIC SUSCEPTIBILITY OF HYDRATED CUPRIC NITRATE AT LOW TEMPERATURE N63-18425 17-25

FRACTURE ARREST DESIGN CONSIDERATIONS - FRACTURE MECHANICS - CRACK PROPAGATION
N63-20094 20-18

COMPARISON OF MEANS OF TWO POPULATIONS WITH UNKNOWN VARIANCES
ARL-63-106 N63-20911 21-20

EFFECT OF QUADRUPOLE VIBRATIONS ON SPECIFIC FORBIDDEN TRANSITIONS N63-21306 21-23

CARNEGIE INSTITUTION OF WASHINGTON, D.C.
TERRESTRIAL MAGNETISM REPORT - GEOPHYSICS, BIOPHYSICS AND NUCLEAR PHYSICS
N63-23539 24-01

GEOPHYSICS - RADIO ASTRONOMY, RADIO HYDROGEN AND CONTINUUM RADIATION OBSERVATIONS, EARTH CRUST STUDIES AND RADIOACTIVE DATING
N63-23540 24-12

GEOPHYSICS - MORPHOLOGY AND VARIATIONS IN PARTICLE INTENSITY OF VAN ALLEN BELT, GEOMAGNETISM OF EQUATORIAL RING CURRENT N63-23541 24-12

ATOMIC BEAM APPARATUS WITH VAN DE GRAAFF GENERATOR TO PRODUCE POLARIZED ION RADIATION - EXCITATION INTERACTION WITH ION SOURCE N63-23542 24-23

RIBONUCLEIC ACID IN METABOLIC POOL, RNA OF ESCHERICHIA, PROTEIN SYNTHESIS, & RNA RADIOACTIVITY - BIOPHYSICS N63-23543 24-16

CASE INST. OF TECH., CLEVELAND, OHIO.
SYNTHESIS OF TRANSFER FUNCTIONS USING IMMITTANCE OPERATORS
AFCRL-62-320 N63-10137 01-09

DESIGN SYNTHESIS IN A MULTIDIMENSIONAL SPACE WITH AUTOMATED MATERIAL SELECTION N63-10491 01-20

INTERSTITIAL INDUCED DELAYED FAILURE OF STEEL
ARL-62-425 N63-10742 02-33

STRUCTURAL SYNTHESIS OF SYMMETRIC WAFFLE PLATE
NASA-TN-D-1691 N63-11050 03-34

PERCENTILE POINTS OF ORDER STATISTICS
N63-11666 04-20

LINEAR UNBIASED ESTIMATION OF LOCATION AND SCALE PARAMETERS OF WEIBULL DISTRIBUTION - STATISTICS
N63-11667 04-20

THEORY OF INVERSE MOMENTS - LIAPUNOV INEQUALITY
N63-11668 04-20

EXPONENTIAL AND RECTANGULAR STATISTICAL POPULATION DETERMINED BY MANN-WHITNEY-WILCOXON U TEST
N63-11699 04-20

OPTIMUM LOOP-GAIN-FREQUENCY FUNCTION FOR SECOND OR THIRD ORDER LINEAR SERVOSYSTEM
EDC-1-62-10 N63-12608 06-09

INVESTIGATION OF DIGITAL POSITION SERVOMECHANISM BASED ON MINIMAL LOGIC CRITERION
EDC-1-62-12 N63-12609 06-09

PLASMA CURRENT SHEET DYNAMICS - THERMONUCLEAR FUSION - SPACE PROPULSION
A-2 N63-12961 07-24

SOLUTION OF NEUTRON TRANSPORT EQUATION IN HEAVY GAS IN PLANE GEOMETRY IN CASE OF INFINITE MEDIUM AND CONSTANT TOTAL CROSS SECTION
A-8 N63-12962 07-23

PROPAGATION OF ELECTROSTATIC PLASMA WAVES IN INHOMOGENEOUS ELECTRIC FIELDS
A-9 N63-12963 07-24

VORTEX-MAGNETOHYDRODYNAMIC GENERATORS
A-10 N63-12964 07-24

HYDROGEN-OXYGEN COMBUSTION CHAMBER STUDY OF HOT SEEDED PLASMA BY PROBE
A-12 N63-12965 07-24

THEORY OF SEQUENTIAL PATTERN RECOGNITION - SCANNING QUANTITIZED, FINITE PATTERN FIELD - BINARY CODING
EDC-1-62-14 N63-13262 07-20

MAGNETORESISTANCE AND HALL EFFECT IN ALUMINUM SINGLE CRYSTALS
AFOSR-951 N63-13547 08-25

MICROPOWER TRANSISTOR LOGIC CIRCUITS FOR SPACE SCIENCE APPLICATION N63-14976 11-09

INVESTIGATION OF TEMPERATURE TRANSFORMATION OF URANIUM ALLOYS
AMRA-CR-63-02/1/F/ N63-15731 12-18

CONTROLLED THRESHOLD DEVICES, NETWORK AND LOGIC
RADC-TDR-62-498 N63-16944 14-09

STRUCTURAL SYNTHESIS CAPABILITY FOR INTEGRALLY STIFFENED WAFFLE PLATES N63-17182 15-34

CONTROL OF APERTURE FIELDS - SURFACE CURRENT MEASUREMENTS, ANTENNA PATTERN SYNTHESIS, ARTIFICIAL DIELECTRIC MEDIA, AND NETWORK SYNTHESIS
AFCRL-62-932 N63-17748 16-08

RALEIGH PROBLEM IN MAGNETOGASDYNAMICS
N63-18055 16-24

AUTOMATION OF STRUCTURAL DESIGN PROCESS USING DIGITAL COMPUTERS - STRUCTURAL SYNTHESIS
NASA-CR-50572 N63-18315 17-20

MORPHOLOGY OF BAINITE IN HYPOEUTECTOID STEEL
N63-20430 20-18

MATRIX DESCRIPTION OF WAVEGUIDE DISCONTINUITIES IN PRESENCE OF EVANESCENT MODES
AFCRL-63-311 N63-20458 20-09

PERFORMANCE CHARACTERISTICS OF VORTEX TYPE MAGNETOHYDRODYNAMIC INDUCTION GENERATOR
NASA-TN-D-2006 N63-20891 21-24

LONGITUDINAL BENDING OF TRUNCATED CONICAL SHELL SUBJECTED TO EDGE LOADS N63-22617 23-33

CATALYST RESEARCH CORP., BALTIMORE, MD.
CHEMICALLY-HEATED AUTOMATICALLY ACTIVATED BATTERIES N63-14159 09-06

CATHOLIC U. OF AMERICA, WASHINGTON, D.C.
STABILITY PROBLEMS IN MISSILE STRUCTURES
N63-10806 02-34

FREE TRANSVERSE VIBRATIONS IN AN INFINITELY-LONG, LAYERED ELASTIC CYLINDER N63-10990 02-33

DYNAMICS OF SOLID PROPELLANT ROCKET ENGINES - QUANTITATIVE EVALUATION N63-12339 05-33

APPLICATION OF PHOTOELASTICITY IN MISSILE INDUSTRY - STRESS ANALYSIS OF PROPELLANT GRAINS
N63-14259 10-23

CONFORMAL TRANSFORMATION METHOD APPLIED TO NATURAL FREQUENCY OF AXIAL SHEAR VIBRATION OF PRISMATIC BARS N63-15060 11-19

EFFECT OF TWO-STEP HEAT TREATMENT AND ULTRASONIC IRRADIATION DURING QUENCHING ON HARDENABILITY OF 4340 STEEL
AROD-2581-2 N63-16537 14-18

TRANSFORMATION STABILIZATION IN STEELS - EFFECT OF AUSTENITIZING TEMPERATURE ON COOLING TRANSFORMATIONS IN 43XX STEELS
N63-16783 14-18

INFRARED ABSORPTION OF CARBON DIOXIDE - LINE AND BAND SHAPE
AFCRL-63-825 N63-21652 22-12

FLOW SEPARATION, VORTEX FLOW, SHOCK WAVES AND BOUNDARY LAYERS
AFOSR-4854 N63-21801 22-11

C. A. V. LTD., LONDON /GT. BRIT./
ANALYSIS OF BURNING RATE AND NATURE OF COMBUSTION IN DIESEL ENGINES N63-15820 13-26

CBS LABS., STAMFORD, CONN.
INFRARED EMITTING PHOSPHORS - DISCOVERY AND DEVELOPMENT
AFCRL-63-657 N63-20457 20-23

CEDARS OF LEBANON HOSPITAL, LOS ANGELES, CALIF.
VIBROCARDIOGRAM ANALYSES RELATING PRECORDIAL VIBRATIONS TO LEFT VENTRICULAR BLOOD PRESSURES
N63-12235 05-16

MEASUREMENT OF PRE-EJECTION AND EJECTION CARDIAC CONTRACTION TIME BY THE VIBROCARDIOGRAM
N63-12236 05-16

C-E-I-R, INC., BEVERLY HILLS, CALIF.
MATHEMATICAL STATISTICS AND PROBABILITY THEORY - GAMMA, EXPONENTIAL, AND PEARSON TYPE III DISTRIBUTION
ARL-63-100 N63-20909 21-20

CENTRAL INST. FOR INDUSTRIAL RESEARCH, BLINDERN /NORWAY/.
HIGH TEMPERATURE OXIDATION AND BEHAVIOR OF TANTALUM AND TANTALUM BASE ALLOYS
ARI-62-397 N63-14590 10-18

CENTRAL LAB. T. N. O., DELFT /NETHERLANDS/.
MECHANICAL PROPERTIES OF HIGHLY FILLED ELASTOMERS - INFLUENCE OF PARTICLE SIZE AND FILLER CONTENT ON TENSILE STRENGTH AND SHEAR MODULI
CL/63/41 N63-18803 18-19

MECHANICAL PROPERTIES OF HIGHLY FILLED URETHANE ELASTOMERS - INFLUENCE OF PARTICLE SIZE AND CONTENT ON TENSILE PROPERTY AND SHEAR MODULUS
CL-63-41, ADDEND. N63-19450 19-19

CENTRE D ENSEIGNEMENT DE RECHERCHES DE MEDECINE AERONAUTIQUE, PARIS /FRANCE/.
FRENCH RESEARCH ON IMPACT AND CRASH - HUMAN TOLERANCE, AIRCRAFT ACCIDENTS, EJECTION SEATS
N63-12850 07-16

CENTRE D ESSAIS EN VOL, BRETIGNY-SUR-ORGE /FRANCE/.
FRENCH MEDICAL-PHYSIOLOGICAL LABORATORY
N63-15037 11-16

CENTRE EUROPEEN POUR LES RECHERCHES SUR LA GRAVITATION, ROME /ITALY/.
GRAVITY - SPACE SCIENCE - NUCLEAR PHYSICS - SOLAR SYSTEM - PLANETS N63-12967 07-23

CENTRE NATIONAL D ETUDES DES TELECOMMUNICATIONS /FRANCE/.
IONOSPHERE ANALYSIS USING LOW FREQUENCY METHOD BY ROCKETS OR SATELLITES N63-18305 17-12

CENTRE NATIONAL D ETUDES SPATIALES, PARIS /FRANCE/.
PROGRESS IN SOUNDING ROCKETS, DIAMANT SATELLITES, INSTRUMENTATION, RADAR, LAUNCHING SITES, AND SATELLITE TRACKING IN FRANCE N63-13758 08-01

FRENCH SPACE TECHNOLOGY PROGRAM, 1963-1965
N63-14861 11-29

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, PARIS /FRANCE/.
MECHANICS OF COMPRESSIBLE TURBULENT BOUNDARY LAYERS N63-14267 10-11

BASIC FAR-INFRARED TECHNIQUES - SPECTROSCOPY, GRATING, FILTERING TO STUDY SOLIDS AND LIQUIDS
AFCRL-63-832 N63-19719 19-15

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, MEUDON /FRANCE/.
DIRECT MEASUREMENT OF IONOSPHERIC TEMPERATURE
N63-10435 01-12

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, PUY DE DOME /FRANCE/.
ICE FORMATION POWER OF AIR - ICE NUCLEI DIFFUSION HYPOTHESIS N63-19026 18-21

CENTRO BRASILEIRO DE PESQUISAS FISICAS, RIO DE JANEIRO.
EXCITED STATES IN NITROGEN 14 FROM CARBON 12 PLUS D REACTIONS N63-13939 09-23

DISCUSSION OF WEIERSTRASS AND BERNSTEIN APPROXIMATION PROBLEMS FOR DIFFERENTIAL AND CONTINUOUS FUNCTIONS IN THE APPROXIMATION THEORY
N63-13940 09-20

CALCULATION OF ANOMALOUS MAGNETIC MOMENT & LIFE-TIME FOR RADIOACTIVE DECAY PARITIES AS PROPERTIES OF PION BARYON INTERACTION N63-13941 09-23

AREA SCANNING, LOOKING FOR MU-ENDS, LEADS TO DENIAL OF BACKWARD-FORWARD ASYMMETRY OF PI-DECAY IN NUCLEAR EMULSIONS N63-13942 09-23

POLARITY AND RELATIVE INTENSITY OF GAMMA RAYS EMITTED DURING TRANSMUTATION THORIUM-234 - PROTACTINIUM-234 METASTABLE N63-13943 09-23

MOLECULAR STRUCTURE OF PROTACTINIUM 234 - ELECTRON SPECTRUM AND RADIATION
N63-13944 09-23

ELECTROMAGNETIC TRANSITIONS IN ODD-ODD DEFORMED NUCLEI N63-13945 09-23

CENTRO DI STUDI E RICERCHE DI MEDICINA AERONAUTICA E SPAZIALE, ROME /ITALY/.
BIOLOGICAL PROBLEMS OF SPACE FLIGHT - CONTROLLING AIR SUPPLY OF CLOSED SYSTEMS N63-18943 18-16

CONFINEMENT EFFECT ON HUMAN BEHAVIOR AND PERSONALITY - TOLERANCE TO RESTRICTION OF MOVEMENT N63-18947 18-14

SUBGRAVITY EFFECTS AND SIMULATION METHODS IN LABORATORY SITUATIONS AND IN FLIGHT
N63-18948 18-16

TOXICITY AND SAFETY HAZARDS OF SOME ROCKET PROPELLANTS N63-18949 18-16

CENTRO DI STUDIO PER LA FISICA DELLE MICROONDE, FLORENCE /ITALY/.
METEOR RADAR OBSERVATIONS, JUNE 1961
N63-11279 03-05

METEOR RADAR OBSERVATIONS, JULY 1961
N63-11280 03-05

RADAR OBSERVATION OF METEORS - DATA ON HOURLY RATE ECHO DURATION AND DUTY CYCLE, SEPT 1961
N63-14727 11-05

RADAR OBSERVATION OF METEORS - DATA ON HOURLY RATE ECHO DURATION AND DUTY CYCLE, DEC 1961
N63-14728 11-05

METEOR RADAR OBSERVATIONS - ECHOES, AZIMUTH, AND ANTENNA ANGLES - JUNE 1962 N63-14729 11-05

METEOR RADAR OBSERVATIONS - ECHOES, AZIMUTH, AND ANTENNA ANGLES - JULY 1962 N63-14730 11-05

METEOR RADAR OBSERVATIONS - ECHOES, AZIMUTH, AND ANTENNA ANGLES - SEPT 1962 N63-14731 11-05

CERENKOV RADIATION FROM CHARGED PARTICLE IN MOTION THROUGH DIELECTRIC WITH METAL FILMS
AFCRL-63-80 N63-14819 11-23

ELECTROMAGNETIC ATTITUDE CONTROL OF SPACE VEHICLES
AFCRL-63-83 N63-14820 11-22

METEOR FLOW CHARACTERISTICS FROM OBSERVATION OF RADAR ECHOES FROM METEOR TRAILS
N63-15470 12-05

RADAR-ECHO OBSERVATION OF QUANDRANTID METEOR SHOWER N63-15736 12-05

ELECTROMAGNETIC RADIATION THEORY AND MICROWAVE SPECTROSCOPY
AFCRL-63-169 N63-19546 19-24

TRANSITION RADIATION FOR CHARGED PARTICLE AT OBLIQUE INCIDENCE TO THIN CONDUCTING FILM SEPARATING TWO MEDIA OF DIFFERENT REFRACTIVE INDEX
AFCRL-63-167 N63-19549 19-23

ELECTROMAGNETIC RADIATION IN TRANSMISSION OF ELECTRON BEAM THROUGH OPENING IN PERFECT CONDUCTING SCREEN
AF-EOAR-62-103 N63-19710 19-23

RADIATION FROM CHARGED PARTICLE IN STRAIGHT MOTION THROUGH PERIODIC SET OF DIELECTRIC PLATES
AFCRL-63-168 N63-19711 19-23

RANGE DISTRIBUTION OF RADAR-ECHO RATE FROM SHOWER METEORS
AFCRL-63-733 N63-23120 24-05

CENTRO ITALIANO SVILUPPO PROPULSIONE A REAZIONE /CESPRE/, ROME /ITALY/.
EUROPEAN I - SPACE SOUNDING VEHICLE - PAYLOAD, TELEMETRY, POWER SYSTEMS AND NETWORKS & THERMAL PROPERTIES N63-18923 18-04

CENTRO RADIOELETTRICO SPERIMENTALE G. MARCONI, ROME /ITALY/.
SPORADIC-E IONIZATION OBSERVED BY BACKSCATTER
AFCRL-62-395 N63-10617 02-12

BACKSCATTER WAVE PROPAGATION IN RADIO COMMUNICATION
AFCRL-63-101 N63-16371 14-08

CESSNA AIRCRAFT CO., WICHITA, KAN.
HELICOPTER INSTRUMENT FLIGHT RULE CAPABILITY - STABILITY AND TRIM
TRECOM-TR-63-18 N63-17498 16-04

CHALMERS U. OF TECH., GOTEBORG /SWEDEN/.
DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA - ELECTROMAGNETIC WAVE REFLECTION
AFCRL-62-969 N63-13641 08-08

DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA - PART 6, SCATTERING OF ELECTROMAGNETIC WAVES BY AN ANISOTROPIC MEDIUM
US-31 N63-13642 08-23

DYNAMIC NONLINEAR WAVE PROPAGATION IN IONIZED MEDIA - PART 7 - PLASMA WAVES IN A HOMOGENEOUS COLD STREAM
US-32 N63-13643 08-24

DYNAMICS OF WAVE PROPAGATION IN PLASMA - REFLECTION OF ELECTROMAGNETIC WAVES FROM DIELECTRIC WITH VARIANT PLANE LAYER
AFCRL-63-82 N63-15685 12-24

NEW RESONANCES IN ATOMS WHICH MARK COHERENT RESPONSE OF WHOLE ATOM - APPROXIMATE COMPUTATION
NASA-CR-50345 N63-17966 16-23

NONLINEAR THEORY OF PLANE TRAVELING WAVE TUBE - NONLINEAR WAVE EQUATION SOLUTION BY SUCCESSIVE APPROXIMATIONS
RADC-TDR-63-333 N63-18649 17-09

NONLINEAR INTERACTION BETWEEN OBLIQUELY INCIDENT PLANE ELECTROMAGNETIC WAVE AND ELECTRON BEAM
AFCRL-63-830 N63-20675 20-24

ELECTROMAGNETIC NONLINEAR INTERACTION AND REFLECTION FROM AN ISOTROPIC, IONIZED MEDIUM
AFCRL-63-637 N63-20677 20-08

NONLINEAR ELECTROMAGNETIC WAVE PROPAGATION AND HARMONIC RADIATION IN MAGNETOIONIC MEDIA
AFCRL-63-695 N63-20678 20-24

NONLINEAR COUPLING GENERATOR MECHANISM FOR VERY LOW FREQUENCY PLASMA WAVES
AFCRL-63-658 N63-20679 20-24

CHANCE VOUGHT CORP., DALLAS, TEX.
DATA SENSORS AND INFORMATION ACQUISITION IN SPACE
N63-10770 02-15

A 60-G AIRCREW RESTRAINT SYSTEM - IMPACT STUDIES
N63-12867 07-16

PERSONNEL RESTRAINT STUDIES FOR ADVANCED MANNED SPACE VEHICLES
AMRL-TDR-62-128 N63-13143 07-16

SURVEY OF ARC-IMAGING FURNACE FACILITIES IN U.S.
N63-15000 11-10

HEAT TRANSFER RATE MEASUREMENT IN HYPERVELOCITY WIND TUNNEL - THERMOCOUPLE EQUIPPED THIN-CONTINUOUS SKIN MODEL AS HEAT MEASURING DEVICE
N63-15063 11-13

CHANCE VOUGHT HYPERVELOCITY WIND TUNNEL TEST - FORCE, DYNAMIC STABILITY, PRESSURE, HEAT TRANSFER, ROCKET EXHAUST EFFECT N63-15184 11-10

DETERMINATION OF LOW CYCLE FATIGUE DESIGN DATA ON TI-6AL-5V ALLOY, 301 STAINLESS STEEL, AND AM-355 STAINLESS STEEL IN MULTIAXIAL STRESS FIELD
CVC-2-53420/2R400 N63-15912 13-33

LOW CYCLE FATIGUE DATA FOR MULTIAXIAL STRESS ANALYSIS - EFFECT OF COLD DRAWING & SHEAR SPINNING ON STRENGTH OF STAINLESS STEEL & TITANIUM ALLOY
CVC-2-53420/3R411 N63-15913 13-33

LOW CYCLE FATIGUE DATA FOR STAINLESS STEELS AND TITANIUM ALLOYS IN MULTIAXIAL STRESS FIELDS
CVC-2-53420/3R436 N63-15914 13-33

STATIC STABILITY TEST ON .098 SCALE STANDARD LAUNCH VEHICLE SLV-1B WITH 4-SQUARE-FOOT FIN AREA
AFSWC-TDR-63-21 N63-16897 14-04

NICKEL BASE ALLOY FOR HIGH TEMPERATURE APPLICATION
ASD-TDR-62-869 N63-17000 15-18

SOLAR WEATHER FORECASTING - PREDICTING COSMIC RADIATION FOLLOWING SOLAR FLARES
N63-19485 19-28

OPTIMUM ENVIRONMENTAL PROTECTION AGAINST METEOROID PENETRATION
NASA-CR-50899 N63-20316 20-16

V/STOL AIRCRAFT STUDIES OF WEIGHT COSTS AND PRODUCTION N63-20359 20-04

MATERIAL EVALUATION FOR DESIGN OF SEGMENTED SPHERICAL PRESSURE VESSELS AND REINFORCEMENT RINGS
N63-21068 21-34

REVIEW OF STRUCTURAL DYNAMIC CHARACTERISTICS OF THE XC-142A AIRCRAFT N63-21839 22-04

MAIN LANDING GEAR LOADS OF F-8 AIRCRAFT
N63-23138 24-04

MANUAL CONTROL OF LAUNCH VEHICLE SYSTEMS
N63-23209 24-32

LIFE SCIENCE RESEARCH - SPACE BIOLOGY, AND PSYCHOLOGICAL AND PHYSIOLOGICAL EFFECTS OF SPACE FLIGHT N63-23235 24-01

DUAL ABLATION ROUTINE IN FORTRAN LANGUAGE FOR IBM 7090 N63-23367 24-13

INDUCTION ELECTRON ACCELERATOR WITH SUPERCONDUCTOR
N63-23801 24-23

CHICAGO MEDICAL SCHOOL, ILL.
INTERNAL BODY MOVEMENTS RESULTING FROM EXTERNALLY APPLIED SINUSOIDAL FORCES OBSERVED BY X-RAY DEVICE
AMRL-TDR-62-81 N63-10472 01-16

CHICAGO U., ILL.
CHARACTERIZATION AND SIMULATION CAPABILITIES OF A HIGH TEMPERATURE ARC FACILITY
ASD-TDR-62-461 N63-10148 01-10

INTERPLANETARY PROCESSES - SOLAR WIND, MAGNETIC FIELDS, COSMIC RAYS N63-10221 01-28

SUPER-POTENTIALS IN NEWTONIAN GRAVITATION - POTENTIALS AND SUPER-POTENTIALS OF HOMOGENEOUS ELLIPSOIDS
EFINS-62-54-55-56 N63-11225 03-23

GENERATION OF INVARIANT SHELLS BY CHARGED PARTICLE MOTION IN DIPOLE FIELDS
EFINS-62-72 N63-12034 05-28

TROPOPAUSE PLACEMENT IN THE ANTARCTIC
AFCRL-62-1134 N63-12148 05-12

THEORY OF RECONNECTION AND ANNIHILATION OF MAGNETIC FIELDS WITH APPLICATION TO SOLAR FLARES AND INTERSTELLAR SPACE N63-12150 05-26

RADIATION EFFECTS ON ANIMAL TISSUES AND LIFESPAN, RADIOPROTECTIVE DRUG STUDIES N63-12251 05-16

PRIMARY COSMIC RAY AND SOLAR PROTON FLUX OBSERVED BY HIGH ALTITUDE BALLOON FLIGHTS - RELATIONSHIP TO SOLAR ACTIVITY CYCLES N63-12347 05-28

REVISED THEORY OF AURORAL BOMBARDMENT
N63-13032 07-12

UPPER ATMOSPHERE OF THE PLANETS
N63-13168 07-29

KINEMATICAL HYDROMAGNETIC THEORY APPLICATIONS TO LOW SOLAR PHOTOSPHERE
EFINS-63-1 N63-13991 09-05

INTENSITY CHANGES OF COSMIC RAYS AND THE SOLAR PROTON FLUX IN THE INNER SOLAR SYSTEM
EFINS-63-8 N63-14188 09-28

HIGH ENERGY RADIATION FROM THE SUN - ENERGETIC PARTICLE FLARES, GAMMA RAYS, AND RADIOACTIVITY
EFINS-63-9 N63-14328 10-28

CHANDRASEKHAR X, Y, AND RELATED MATHEMATICAL

FUNCTIONS TABULATED FOR LARGE RANGES OF OPTICAL DEPTH AND ALBEDO
N63-14469 10-05

HYDRODYNAMIC MOMENTUM AND MASS-FLOW EQUATIONS FOR SOLAR AND STELLAR CORONA
EFINS-63-18
N63-15445 12-28

PHLOROGLUCINOL SEEDING OF UNDERCOOLED CLOUDS
N63-15787 13-21

QUASI-LINEAR THEORY OF PLASMA OSCILLATIONS IN AN ELECTRIC FIELD - ANALYSIS
EFINS-63-16
N63-15935 13-24

COSMIC AND SOLAR RADIATION - PROTON ENERGY SPECTRUM
NASA-CR-50045
N63-16670 14-28

SOLAR FLARE PROTON IRRADIATION OF DISCOVERER 17
NASA-CR-50033
N63-16678 14-28

RADIATION EFFECT AND RADIATION PROTECTION IN RATS AND MICE
N63-17036 15-16

RADIATION PROTECTION - RADIATION EFFECT ON THIOPHOSPHATE OXIDIZING ENZYME SYSTEM IN RATS
N63-17037 15-16

EFFECT OF CHEMICAL COMPOUNDS ON RADIATION-INDUCED CHANGES IN ENZYME ACTIVITIES IN CERTAIN RAT TISSUES
N63-17038 15-16

RADIATION PROTECTION - RADIATION EFFECT ON REDUCTASE ACTIVITY IN RATS
N63-17039 15-16

RADIATION PROTECTION - EFFECT OF CHEMICAL COMPOUNDS ON MICE EXPOSED TO LETHAL RADIATION DOSE
N63-17040 15-16

RADIATION PROTECTION - PHARMACOLOGY AND TOXICOLOGY IN PROTECTION FROM RADIATION DAMAGE - CYANIDE EFFECT ON LETHAL RADIATION DOSE IN MICE
N63-17041 15-16

CHEMICAL COMPOUNDS USED IN PHARMACOLOGY AND TOXICOLOGY AS RADIATION PROTECTION AGENTS - EFFECT OF CHEMICALS ON LIFESPAN IN X-IRRADIATED MICE
N63-17042 15-16

CHEMICAL COMPOUNDS USED IN RADIATION PROTECTION OF MICE - PHARMOCOLOGY AND TOXICOLOGY
N63-17043 15-16

EFFECT OF GAMMA OR FAST NEUTRON RADIATION DOSES ON ANIMAL LIFESPAN - CHEMICAL COMPOUND PROTECTION IN PROTON IRRADIATED MICE
N63-17044 15-16

GAMMA AND FAST NEUTRON RADIATION EFFECTS - PATHOLOGY IN MICE GIVEN CHEMICAL COMPOUNDS FOR RADIATION PROTECTION PRIOR TO PROTON IRRADIATION
N63-17045 15-16

GAMMA AND FAST NEUTRON RADIATION - TOXICITY OF RARE EARTH COMPOUNDS AND EFFECT ON MORTALITY FROM RADIATION EXPOSURE - RADIATION PROTECTION
N63-17046 15-16

GAMMA AND FAST NEUTRON RADIATION - REPRODUCTION IN MICE AND LIFESPAN AFTER IRRADIATION
N63-17047 15-16

SOLAR CORONAL HEATING CAUSED BY FRICTION OF SETTLING HELIUM IONS, HYDROMAGNETIC AND ACOUSTICAL WAVES, AND INTERNAL GRAVITY
NASA-CR-50142
N63-17170 15-05

ANALYSIS OF ORGUEIL METEORITE
N63-17652 16-07

THEORY OF SOLAR WIND AS HYDRODYNAMIC EXPANSION OF OUTER CORONA DUE TO GRAVITATIONAL BINDING AND THERMALIZATION
AIAA PAPER-63-253
N63-17798 16-05

TRANSVERSE WAVES IN A PLASMA IN A MAGNETIC FIELD
N63-17953 16-24

INFLUENCE OF RELEASE OF LATENT HEAT OF VAPORIZATION ON VERTICAL MOTION, KINETIC ENERGY, AND VORTICITY OF CYCLONE DEVELOPMENT
AFCRL-63-623
N63-17998 16-21

DYNAMICAL PROPERTIES OF STELLAR CORONAS AND STELLAR WINDS - INTEGRATION OF HEAT FLOW EQUATION - THERMOCONDUCTIVITY
NASA-CR-50463
N63-18373 17-05

ATMOSPHERIC BACKGROUND RADIATION - ULTRAVIOLET, VISIBLE AND INFRARED
LAS-TR-199-36
N63-18473 17-10

ATMOSPHERIC RADIATION - AURORAL SPECTROSCOPY AND PARTICLE PRODUCTION - ELECTRONS AND PROTONS
N63-18474 17-12

AURORAL RADIATION IN THE INFRARED
N63-18475 17-12

ATMOSPHERIC RADIATION - SATELLITE MEASUREMENT OF AIRGLOW, AURORA AND CHEMILUMINESCENCE - POGO
N63-18476 17-12

ATMOSPHERIC RADIATION - INTERPRETATION OF RADIATION MEASUREMENTS FROM METEOROLOGICAL SATELLITES
N63-18478 17-21

FLUX MEASUREMENT OF PRIMARY COSMIC RADIATION AT ENERGIES BELOW GEOMAGNETIC FIELD THRESHOLD
NASA-CR-50582
N63-18858 18-28

SOLAR FLARE PHENOMENON AND THEORY OF RECONNECTION AND ANNIHILATION OF MAGNETIC FIELDS
N63-18982 18-28

SPECTROSCOPY OF DIATOMIC MOLECULES FROM NEAR INFRARED TO FAR ULTRAVIOLET
AFCRL-63-625
N63-19108 18-07

WHITETOP PROJECT - PRECIPITATION FORMATION IN CUMULUS CLOUDS OF SUMMERTIME IN MISSOURI
N63-19233 18-21

EFFECTS OF RADIATION EXPOSURE ON ANIMALS - RADIATION SICKNESS STUDY - MEDICAL USE OF ATOMIC ENERGY & PHARMACOLOGICAL AGENTS
N63-19310 18-16

AIRCRAFT PHOTOGRAPHIC DATA FROM NATIONAL SEVERE STORMS PROJECT - 1962
NSSP-16
N63-19732 19-21

HUMAN BODY SIZE-TO-STRENGTH RELATIONSHIP - PHYSIOLOGICAL EFFECTS
ARL-TDR-63-19
N63-19758 19-16

POSTURE AND GRASPING STRENGTH OF MONKEYS, APES AND HUMANS
ARL-TDR-63-21
N63-19759 19-16

MONKEY, APE AND HUMAN MORPHOLOGY AND PHYSIOLOGY RELATING TO STRENGTH AND ENDURANCE
ARL-TDR-63-22
N63-19760 19-16

ULTRAVIOLET RADIATION SPECTRUM AND MILITARY APPLICATIONS
LAS-TR-199-37
N63-20851 21-23

SCATTERED RADIATION IN MIDDLE ULTRAVIOLET SPECTRUM REGION
N63-20863 21-28

GOALS OF SPACE SCIENCE PROGRAM AND RELATIONSHIP OF UNIVERSITIES TO SPACE EXPLORATION - NASA PROGRAM
N63-21140 21-01

MOLECULAR STRUCTURE AND SPECTRA - THEORETICAL WORK ON ATOMS & MOLECULES AND DIGITAL COMPUTER PROGRAMS
N63-21737 22-23

THEORY OF ATOMIC & MOLECULAR STRUCTURE
N63-21738 22-23

DIGITAL COMPUTER PROGRAMS FOR COMPUTING ELECTRICAL PROPERTIES OF ATOMS AND MOLECULES - MOLECULAR STRUCTURE
N63-21739 22-23

MOLECULAR STRUCTURE AND SPECTRA - PHOTOGRAPHS OF THREE BANDS OF GOLDSTEIN-KAPLAN SYSTEM OF NITROGEN UNDER HIGH RESOLUTION & ROTATIONAL ANALYSIS

N63-21740 22-23

ABSORPTION SPECTRUM OF NITROGEN IN FAR ULTRAVIOLET REGION - MOLECULAR STRUCTURE N63-21741 22-23

ISOTOPIC SHIFTS IN SOME ULTRAVIOLET SYSTEMS OF NITROGEN - MOLECULAR STRUCTURE AND SPECTRUM N63-21742 22-23

LOW ENERGY STATES OF NITROGEN MOLECULE - MOLECULAR STRUCTURE N63-21743 22-23

TRANSITION SPECTRUM OF SILICON FLUORIDE MOLECULE - MOLECULAR STRUCTURE AND SPECTRUM AMRC-6781 N63-21744 22-23

SPECTRAL INVESTIGATION OF METALLIC HYDRIDES REVEALING NEW BANDS FOR STRONTIUM HYDRIDE - MOLECULAR STRUCTURE N63-21745 22-23

ULTRAVIOLET SPECTRUM OF MAGNESIUM COMPOUNDS - MOLECULAR STRUCTURE OF HYDRIDE & DEUTERIDE N63-21746 22-23

SPECTRAL BAND ANALYSIS OF STRONTIUM HYDRIDE MOLECULES SHOWING MULTIPLE PERTURBATIONS N63-21747 22-23

BAND SPECTRUM OF INDIUM HYDRIDE MOLECULE - MOLECULAR STRUCTURE N63-21748 22-23

NEW METASTABLE ELECTRON STATES OF MOLECULES - MOLECULAR STRUCTURE N63-21749 22-23

THERMODYNAMIC AND ELECTRONIC SPECTRAL CHARACTERISTICS OF COMPLEX MOLECULES N63-21750 22-23

SPECTROSCOPIC STUDY OF THERMODYNAMIC PROPERTIES OF COMPLEXES BETWEEN IODINE AND THIANTHRENE-ANALOGS - MOLECULAR STRUCTURE N63-21751 22-23

ELECTRON TRANSITION IN AROMATIC HYDROCARBONS ON CHEMICAL SUBSTITUTION - PERTURBATION THEORY FOR MOLECULAR STRUCTURE N63-21752 22-23

CHANGES IN ELECTRONIC TRANSITIONS OF AROMATIC HYDROCARBONS ON CHEMICAL SUBSTITUTIONS - MOLECULAR STRUCTURE IN BENZENE SPECTRUM N63-21753 22-23

DONOR-ACCEPTOR MOLECULAR COMPLEXES N63-21754 22-23

THERMODYNAMIC PROPERTIES OF DONOR-ACCEPTOR COMPLEX MOLECULES N63-21755 22-23

ELECTRON AFFINITIES OF SOME HALOGEN MOLECULES AND CHARGE-TRANSFER FREQUENCY - MOLECULAR STRUCTURE N63-21756 22-23

MOLECULAR COMPLEXES OF ANTHRACENE AND PENANTHRENE AND THEIR SPECTRA - MOLECULAR STRUCTURE N63-21757 22-23

MOLECULAR ORBIT TRANSITIONS IN BENZENE N63-21758 22-23

THEORETICAL COMPUTATIONS ON ELECTRON STATES OF SIMPLE MOLECULES AND THEIR SPECTRA N63-21759 22-23

CONSTRUCTION OF SELF-CONSISTENT-FIELD MOLECULAR ORBITAL WAVE FUNCTION AND LCAO-MO POPULATION ANALYSIS N63-21760 22-23

LOWEST CONFIGURATIONS OF NEUTRAL FIRST ROW ATOMS - SELF-CONSISTENT-FIELD FUNCTION N63-21761 22-23

GROUND STATES AND EXCITED STATES FOR ATOMS AND IONS OF COPPER AND ALUMINUM - SELF-CONSISTENT-FIELD FUNCTIONS N63-21762 22-23

SELF-CONSISTENT-FIELD WAVE FUNCTIONS OF ORBITAL POSITIONS OF LITHIUM N63-21763 22-23

LIMITED CONFIGURATION INTERACTION FOR SELECTED FIRST ROW DIATOMIC MOLECULES - MOLECULAR STRUCTURE N63-21764 22-23

WAVE FUNCTIONS AND CORRESPONDING MOLECULAR ENERGIES FOR DIATOMIC MOLECULAR ION OF HELIUM N63-21765 22-23

ADDENUM & ERRATA TO STUDIES IN MOLECULAR STRUCTURE N63-21766 22-23

SELF-CONSISTENT-FIELD WAVE FUNCTION FOR BIFLUORIDE ION N63-21767 22-23

GROUND STATE WAVE FUNCTIONS FOR LINEAR MOLECULES - MOLECULAR STRUCTURE N63-21768 22-23

STRUCTURE OF GROUND STATE OF HYDROGEN CYANIDE N63-21769 22-23

COMPUTATION ON GROUND STATE WAVE FUNCTION FOR DI-CARBON/DI-NITRIDE MOLECULE N63-21770 22-23

CALCULATIONS ON GROUND STATE OF CARBON DIOXIDE N63-21771 22-23

SELF-CONSISTENT-FIELD WAVE FUNCTIONS FOR TRI-NITROGEN AND NITROGEN DIOXIDE MOLECULES N63-21772 22-23

DIRECT NUMERICAL CALCULATIONS AND ENERGY LEVELS OF DI-NITROGEN MOLECULE N63-21774 22-23

ONE-CENTER EXPANSION SELF-CONSISTENT-FIELD MOLECULAR ORBITAL ELECTRONIC WAVE FUNCTIONS FOR HYDRIDE MOLECULES N63-21775 22-23

VARIATIONAL TREATMENT OF LOWER ELECTRONIC STATES OF ETHYLENE MOLECULE N63-21776 22-23

OVERLAP POPULATION OF BUTADIENE AND CYANOGEN - MOLECULAR STRUCTURE N63-21777 22-23

AN EPISTOLOGUE ON CARBON BONDS & MOLECULAR STRUCTURES OF ORGANIC CHEMICALS N63-21778 22-23

CORRELATION OF ELECTRON IMPACT IONIZATION POTENTIALS OF CONJUGATED MOLECULES N63-21779 22-23

LOCALIZED MOLECULAR ORBITALS IN SELF-CONSISTENT FIELD WAVE FUNCTIONS OF LINEAR MOLECULES - HYBRIDIZATION N63-21780 22-23

LOCALIZED MOLECULAR ORBITALS IN SELF-CONSISTENT FIELD WAVE FUNCTIONS OF LINEAR MOLECULES - ATOMIC CHARGES AND DIPOLE MOMENTS N63-21781 22-23

MOLECULAR STRUCTURE & SPECIFIC HEAT OF CRYSTALS N63-21782 22-23

ACUTE MAMMALIAN TOXICITY OF RARE EARTH NITRATES & OXIDES - RAT STUDY SAM-TDR-63-38 N63-22827 23-16

LARGE-SCALE CIRCULATION OF EARTHS ATMOSPHERE AFCRL-63-872 N63-23113 24-12

HEAT CAPACITY OF HYDRATED NICKEL SULFATE BETWEEN 1 AND 20-DEG K & ELECTRON ENERGY OF NICKEL ION N63-23422 24-13

INTERPLANETARY MEDIUM DATA FROM SATELLITES & SPACE PROBES - GALACTIC COSMIC RAY INTERACTION WITH SOLAR MAGNETIC FIELD - SOLAR PLASMA FLOWS N63-23448 24-29

KINEMATICAL THEORY FOR MAGNETIC FIELDS PRODUCED BY INTERACTION OF TURBULENT EDDIES WITH LARGE-SCALE WEAK MAGNETIC FIELD IN PHOTOSPHERE N63-23598 24-24

CALORIC STIMULATION IN DECORTICATED CATS - VESTIBULAR REFLEXES SAM-TDR-63-61 N63-23811 24-16

CHROMALLOY CORP., WEST NYACK, N.Y.
PROTECTIVE COATINGS FOR REFRACTORY METALS, MOLYBDENUM ALLOYS N63-10966 02-18

CHRYSLER CORP., DETROIT, MICH.
SPACECRAFT GUIDANCE - NUMERICAL INTEGRATION - COMPUTER METHOD N63-16810 14-20

NUMERICAL ANALYSIS OF ADAPTIVE CONTROL SYSTEMS - GUIDANCE SYSTEMS N63-18696 17-29

OPTIMIZED ADAPTIVE CONTROL FUNCTIONS - MULTIVARIATE FUNCTION APPROXIMATION
AIAA PAPER-63-417 N63-20321 20-29

CHU ASSOCIATES, LITTLETON, MASS.
VOLUMETRIC FIXED APERTURE RADAR SCANNING ANTENNAS
AFCRL-63-307 N63-22046 22-09

CINCINNATI U., OHIO.
OXYGEN EVOLUTION IN PHOTOSYNTHESIS N63-11473 03-16

REQUIREMENTS AND FUNCTIONS OF MICRONUTRIENTS BY GREEN PLANTS WITH RESPECT TO PHOTOSYNTHESIS N63-11474 03-16

THERMOCONDUCTIVITY OF ANISOTROPIC SOLIDS AT HIGH TEMPERATURES - GRAPHITE
ASD-TDR-62-608, PT. I N63-11563 04-13

BASICITY OF N-NITROSAMINES AND AQUEOUS SULFURIC ACID SOLUTIONS
AROD-2276-3 N63-12711 06-07

REACTION OF TRIPHENYLPHOSPHINIMINES WITH BORON FLUORIDE, ORGANOMETALLIC COMPOUNDS AND LEWIS ACIDS
AROD-2276-4 N63-13374 08-07

DETERMINATION OF PERIODIC ORBITS IN LUNAR ORBIT PLANE ABOUT TRIANGULAR POINTS IN EARTH-MOON SYSTEM N63-15274 12-29

ACCEPTABILITY OF DEHYDRATED FOOD DURING CONFINEMENT - PHYSIOLOGICAL, PSYCHOLOGICAL AND PSYCHOMOTOR EFFECTS
AMRL-TDR-63-9 N63-18141 16-16

RADIATION MEDICINE - HOSPITAL DISASTER PLANS - THERAPY N63-18237 17-16

TANTALUM SPECIFIC HEAT-EMISSIVITY RATIO AT HIGH TEMPERATURES
ASD-TDR-63-371 N63-20118 20-25

HYPERSONIC FLOW NEAR SHARP LEADING EDGE OF FLAT PLATE - NEW TRANSFORMATION & SERIES SOLUTION OF RESULTING EQUATION
ARL-63-161 N63-22145 22-11

RELIABLE HYPERSONIC WIND TUNNEL PRESSURE AND TEMPERATURE MEASUREMENT INSTRUMENTATION
ARL-63-162 N63-22343 23-15

CIVIL AERONAUTICS BOARD, WASHINGTON, D.C.
HANDBOOK OF AIRLINE STATISTICS - 1962 EDITION N63-12665 06-04

INVESTIGATION OF FATAL AIRCRAFT ACCIDENTS INVOLVING WEATHER
BOSP-7-4-1 N63-20410 20-04

CLEVITE CORP., CLEVELAND, OHIO.
PEROVSKITE CERAMIC DIELECTRICS - EMPIRICAL STUDY OF FAILURE MECHANISMS
RADC-TDR-63-269 N63-20308 20-19

GERMANIUM-ALLOY POWER TRANSISTOR PRODUCTION ENGINEERING N63-21192 21-09

SOLID STATE NOISE GENERATORS - HIGH AMPLITUDE WHITE NOISE AND AVALANCHE BREAKDOWN MECHANISMS N63-23376 24-25

CLEVITE CORP., PALO ALTO, CALIF.
FAILURE MECHANISMS IN SILICON SEMICONDUCTORS
RADC-TDR-63-326 N63-22547 23-09

SECONDARY BREAKDOWN AND HOT SPOTS IN POWER TRANSISTORS N63-22548 23-09

MICROPLASMA BREAKDOWN AT STAIR-ROD DISLOCATIONS IN SILICON N63-22549 23-09

SILICON POWER TRANSISTOR THERMAL INSTABILITY - HOT SPOTS & RESISTANCE SUPPRESSION
RADC-TDR-63-350 N63-22821 23-09

PHONON INTERACTION WITH CHARGE CARRIERS - SEMICONDUCTOR TRANSPORT MECHANISM N63-23084 24-25

CLEVITE CORP., WALTHAM, MASS.
IMPROVEMENT OF GERMANIUM-ALLOY POWER TRANSISTOR N63-21195 21-09

CLIMAX MOLYBDENUM CO. OF MICHIGAN, DETROIT.
MOLYBDENUM- & TUNGSTEN-BASE ALLOY SHEET MATERIALS N63-12096 05-18

DEVELOPMENT OF WORKABLE MOLYBDENUM- AND TUNGSTEN-BASE ALLOYS
ASD-TDR-62-508 N63-12285 05-18

ARC-CASTING MOLYBDENUM- AND TUNGSTEN-BASE ALLOY N63-14486 10-18

HIGH TEMPERATURE AND STRENGTH REFRACTORY ALLOY SHEET MATERIAL OF TITANIUM, NIOBIUM, MOLYBDENUM & ZIRCONIUM METALS N63-20971 21-18

COAST AND GEODETIC SURVEY, WASHINGTON, D.C.
SEISMIC EFFECT FROM HIGH YIELD NUCLEAR CRATERING EXPERIMENT IN DESERT ALLUVIUM - SEDAN PROJECT
PNE-213F N63-16202 13-12

COAST GUARD, WASHINGTON, D.C.
AUTOMATIC LIFERAFT BEACON TEST AS APPLIED TO FLIGHT SAFETY N63-15443 12-08

COLLEGE OF AERONAUTICS, CRANFIELD /GT. BRIT./
LOCAL CIRCUMFERENTIAL BUCKLING OF THIN CIRCULAR CYLINDRICAL SHELLS N63-10828 02-33

HEAT TRANSFER THROUGH INCOMPRESSIBLE LAMINAR BOUNDARY LAYER
COA-N-130 N63-11024 03-13

SUPERSONIC AIRCRAFT DESIGN
COA-N-127 N63-11284 03-04

EXPERIMENTS ON A CROPPED DELTA WING WITH DOWNWARD DEFLECTED PERIPHERAL BLOWING
COA-N-131 N63-11285 03-03

TESTS ON A CIRCULAR GROUND EFFECT MACHINE WITH FORWARD SPEED
COA-N-133 N63-11286 03-04

INCOMPRESSIBLE FLOW - A RHEOLOGICAL EQUATION AND PROBLEMS IN STEADY FLOW
COA-N-134 N63-11287 03-11

EFFECT OF CURVATURE ON THE STRESS CONCENTRATIONS AROUND HOLES IN SHELLS N63-11319 03-33

STUDY OF THE STATE OF STRESS IN CLOSED TOROIDAL SHELL WITH APPLICATION OF APPLIED THEORY OF ELASTICITY
COA-137 N63-14093 09-33

EFFECT OF CATALYTIC SURFACE COATING ON STAGNATION POINT - HEAT TRANSFER IN PARTIALLY DISSOCIATED FLOW N63-15341 12-13

HIGH TEMPERATURE CREEP ANALYSIS AND STRAIN RECOVERABILITY IN GRAPHITE
COA-N-151, PT. 3 N63-18379 17-19

FREE MOLECULAR FLOW OF POLYATOMIC GAS - ACCOMMODATION COEFFICIENT EVALUATION
COA-159 N63-19355 18-11

DELTA WING FLOW ANALYSIS USING LEADING EDGE BLOWING TO REMOVE SECONDARY SEPARATION
COA-161 N63-19356 18-03

STATISTICAL PARAMETERS IN PLANNING AIRCRAFT ENGINE PRODUCTION
COA-158 N63-20021 19-01

CRACK PROPAGATION - METALLURGY N63-20082 20-18

ULTRASONIC FATIGUE TESTING MACHINE
COA-141 N63-20701 21-18

EFFECT OF LOW-TEMPERATURE AGING ON HYSTERESIS LOSS IN NITROGEN-CONTAINING ALPHA-IRON
COA-153 N63-20702 21-25

FLUTTER OF THIN, PLANE, ELLIPTIC PANELS
COA-N-136 N63-21211 21-33

PRESSURE FLUCTUATIONS AT RIGID WALL UNDER TURBULENT BOUNDARY LAYER AT SUPERSONIC & SUBSONIC SPEEDS
COA-N-140 N63-22361 23-11

COLLEGE OF WILLIAM AND MARY, WILLIAMSBURG, VA.
MOTION OF SMALL BODY IN VICINITY OF STABLE LIBRATION POINTS OF EARTH-MOON SYSTEM
N63-13273 07-29

AXIAL ARC IN RADIAL MAGNETIC FIELD - HALL CURRENT MEASUREMENTS IN LINEAR HALL ACCELERATOR
N63-16734 14-24

COLLINS RADIO CO., DALLAS, TEX.
MOBILE AIR TRAFFIC CONTROL SYSTEM
AFCRL-62-744 N63-10108 01-22

GRAPHICAL PRESENTATIONS OF C-BAND TRANSPONDER STUDY FOR APOLLO SPACECRAFT N63-12815 06-08

COLOGNE U. /W. GERMANY/.
VERTICAL OZONE DISTRIBUTION - SYNOPTIC MEASUREMENT - WEATHER CONDITIONS
AFCRL-63-467 N63-16133 13-21

COLORADO SCHOOL OF MINES, GOLDEN.
COUPLING PERTAINING TO STEEL SPHERE IMPACTING THE ENDS OF RODS OF VARIOUS MATERIALS
NOTS-TP-3069 N63-14227 09-33

LUNAR SOIL AS SOURCE OF OXYGEN
N63-14989 11-29

COLORADO SCHOOL OF MINES RESEARCH FOUNDATION, INC., GOLDEN.
OXIDATION RESISTANCE OF MOLYBDENUM ALLOYED WITH YTTRIUM, SAMARIUM AND ZIRCONIUM - RARE EARTH
N63-16175 13-18

MEASUREMENT OF DETONATION WAVE COUPLING BETWEEN COLUMNS OF EXPLOSIVE AND ARTIFICIAL ROCKS - MOMENTUM OF SHOCK WAVES IN MATERIALS
NAVWEPS-8055 N63-16320 13-23

IMPROVED OXIDATION RESISTANCE OF MOLYBDENUM BY ALLOYING WITH RARE EARTH AND OTHER SELECTED METALS
N63-17018 15-18

COUPLING BETWEEN EXPLOSIVES AND ROCKS
NAVWEPS-7949 N63-20377 20-19

IMPROVED OXIDATION RESISTANCE OF MOLYBDENUM - HAFNIUM ALLOYS N63-22557 23-18

COLORADO STATE U., FORT COLLINS.
ATMOSPHERIC MICROSTRUCTURE & ITS BEARING ON CLEAR-AIR TURBULENCE
CER-62ERR62 N63-10499 01-21

COLORADO U., BOULDER.
MAGNETIC FIELD INDUCED NEGATIVE RESISTANCE IN INDIUM ANTIMONY - IMPACT IONIZATION & HALL EFFECT
AROD-2238-5 N63-11565 04-25

RUBBER RESEARCH - SYNTHESIS OF FLUORINE-CONTAINING MONOMERS FOR ADVANCED ELASTOMER SYNTHESIS
N63-18181 16-07

EMISSION-LINE INTENSITIES IN SOLAR ULTRAVIOLET
N63-19695 19-05

SOLAR EMISSION LINES IN EXTREME ULTRAVIOLET
N63-19696 19-05

COLORADO U., DENVER.
CAUSE OF IONIZATION IN F-REGION
N63-19692 19-12

COLUMBIA RADIATION LAB., NEW YORK, N.Y.
THE ELECTROMAGNETIC SPECTRUM - LIFETIME OF CADMIUM
CU-3-62-SC-78330 N63-11433 03-23

PHYSICS, SOLID STATE DEVICES, MASERS, RADIO-ASTRONOMY, AND CRYOGENIC APPLICATIONS OF MICROWAVE TECHNIQUES N63-13094 07-23

EXTENDING USEFUL RANGE OF ELECTROMAGNETIC SPECTRUM
N63-16399 14-25

COLUMBIA U., NEW YORK, N.Y.
EFFECTS OF COUPLE-STRESSES IN LINEAR ELASTICITY
N63-10085 01-33

INFLUENCE OF COUPLE-STRESSES ON STRESS CONCENTRATION N63-10086 01-33

TEMPERATURE VARIATION OF THE ORDER DEPENDENT CONFIGURATIONAL ENERGY AND LATENT HEAT OF ORDER-DISORDER TRANSFORMATION IN COPPER-GOLD ALLOYS
AROD-1931-5 N63-10366 01-25

METHODS FOR CONSTRUCTING SIMULTANEOUS CONFIDENCE INTERVALS FOR LINEAR FUNCTIONS OF UNKNOWN PROBABILITIES
SAM-62-81 N63-10434 01-20

EFFECT OF A MOVING LOAD ON A VISCOELASTIC HALF-SPACE
CU-1-62-ONR-266/34/-CE N63-10646 02-23

APPROXIMATION IN PROBLEMS OF WAVE PROPAGATION IN COMPLEX VISCOELASTIC MEDIA
CU-2-62 N63-10647 02-23

STRESSES IN INCOMPRESSIBLE VISCOELASTIC PLASTIC THICK-WALLED CYLINDER
CU-15-62-ONR-266/78/-CE N63-11873 04-33

SHRINK FIT PROBLEM - SOLID ELASTIC CYLINDER DEFORMATION
CU-16-62-ONR-266/78/-CE N63-11874 04-33

GENERALIZATION OF CONSTITUTIVE EQUATIONS OF LINEAR VISCOELASTICITY WITH LARGE DEFORMATIONS - APPLICATION TO RELAXATION CASES
CU-17-62-ONR-266/78/-CE N63-11875 04-23

CYLINDRICAL WAVE IN VISCOELASTIC SOLID
CU-3-62-ONR-266/34/-CE/A N63-12161 05-23

INERTIA TERMS FOR SMALL MOTIONS OF SUBMERGED FLEXIBLE RECTANGULAR CYLINDER
CU-1-62-ONR-266/86/-CE N63-12306 05-11

IMPACT OF RIGID AND FLEXIBLE BODIES ON SURFACE OF COMPRESSIBLE FLUID - AERODYNAMIC ANALOGY
CU-1-63-ONR-266/86/-CE N63-12307 05-11

FACTOR ANALYSIS IN STATISTICAL ANALYSIS OF MULTIPLE TIME SERIES
SAM-TDR-62-134 N63-12331 05-20

BLOOD FLOWMETER ANALYSES OF CORONARY AND HEPATIC CIRCULATION REGULATORY MECHANISMS IN RESPONSE TO STRESS AND PHYSIOLOGIC ACTIVITY
P-2/168 N63-12378 06-16

UPPER AND LOWER BOUNDS IN PROBLEMS OF MELTING OR SOLIDIFYING SLABS
CU-23-62-ONR-266/20/-CE N63-14520 10-13

EFFECTS OF RESIDUAL STRESSES ON RANDOM FATIGUE LIFE IN BENDING NOTCHED 7075-T6 ALUMINUM ALLOY SPECIMENS
ASD-TDR-62-1075 N63-14649 10-18

RADIATION MEASUREMENTS FROM ULTRAVIOLET TO INFRARED AND ENERGY CONVERSION USING SEMICONDUCTOR SOLAR CELLS N63-14942 11-15

VAPOR PRESSURE OF ALKALI METALS - CESIUM, RUBIDIUM AND SODIUM-POTASSIUM ALLOYS FOR USE IN HIGH TEMPERATURE HEAT TRANSFER - LIQUID METAL COOLING
N63-15004 11-13

FRACTURE MECHANICS - PROBLEM IN PROPAGATION OF MICROCRACK, GRIFFIN CRACK AND FRACTURE CRACKS

ASD-TDR-63-221 N63-15325 12-33

HEAT TRANSFER AND TURBULENT AIR FLOW BETWEEN ROTATING CYLINDER AND STATIONARY, CONCENTRIC OUTER CYLINDER AT HIGH TEMPERATURES
AFOSR-3207 N63-16550 14-13

STRENGTH AND DUCTILITY OF ROCKS UNDER CONFINING PRESSURE - STRUCTURAL DYNAMICS
N63-16621 14-33

REPORT OF NASA SUMMER INSTITUTE IN SPACE PHYSICS
NASA-CR-50131 N63-16726 14-29

PRINCIPLES OF CONTINUUM MECHANICS IN LIGHT OF GENERAL THEORY OF TRANSFORMATION
N63-17696 16-23

RESPONSE OF SEMI-INFINITE, CYLINDRICAL, VISCOELASTIC SHELL TO LONGITUDINAL IMPACT USING MEMBRANE THEORY ASSUMPTIONS
CU-2-63-ONR-266/34/-CE N63-18881 18-33

SOLUTION TO MAXWELL EQUATIONS FOR GENERAL LINEAR MEDIA - ELECTROMAGNETISM
CU-1-63-AF-2461-EE N63-18893 18-23

VELOCITY GRADIENT DEPENDENCE OF KINETIC ENERGY OF CONTINUUM - ELASTIC WAVE PROPAGATION EQUATIONS
CU-3-62-ONR-266/34/-CE/B N63-19112 18-23

NUCLEAR SPIN AND MAGNETIC MOMENT OF CADMIUM-115 - SPIN LATTICE RELAXATION FOR HELIUM-3 NUCLEI IN SOLID HELIUM-3 - LASER SPECTROMETERS
CU-6-63-SC-90789 N63-20033 19-23

FORMULATION OF THEORY OF PLASTIC WAVE PROPAGATION IN BARS
CU-3-63-ONR-266/86/-CE N63-21283 21-33

EFFECT OF ELASTIC PLATE ON ACOUSTIC FIELD OF POINT SOURCE
CU-2-63 ONR-266/86/-CE N63-21286 21-23

EFFECT OF RANDOM LOADING ON CREEP DEFORMATION IN NONLINEAR METAL STRUCTURAL MATERIAL
ASD-TDR-63-646 N63-21705 22-33

FLUID TRANSPIRATION ARC - ELECTRODE PROPERTIES
ARL-63-150 N63-22198 23-24

NONHOMOGENEOUS STRAIN AND FRACTURE MECHANISM IN FILLED ELASTOMER N63-22418 23-19

MULTIPARAMETER ANALYZERS FOR NUCLEAR PHYSICS
CU/PNPL/-227 N63-22858 23-23

LONGITUDINAL IMPACT OF SEMI-INFINITE CIRCULAR VISCOELASTIC CYLINDER
CU-3-63-ONR-266/34/-CE N63-23133 24-33

INTERACTION OF WORKING FLUID AND GAS DISCHARGE COMPONENTS ON TRANSPIRATION COOLED ANODES
N63-23473 24-24

COLUMBIA U., PALISADES, N.Y.

LEAST SQUARES METHOD OF CALCULATING SURFACE WAVE DISPERSION IN THE CRUST-MANTLE STRUCTURE OF THE EARTH
AFCRL-63-219 N63-12732 06-12

GEOMAGNETIC SURVEY OF FLETCHERS ICE ISLAND, ARCTIC OCEAN
AFCRL-62-1088 N63-12790 06-12

SEISMIC WAVE AND EARTH STRUCTURE IN CANADIAN SHIELD PHASE VELOCITY MEASUREMENTS
AFCRL-63-294 N63-16829 14-12

FREE SPHEROIDAL VIBRATION OF MATHEMATICAL MODELS OF EARTH AT LONG PERIODS
LAMONT GEOL. OBS. CONTR.-606 N63-17502 16-12

SEISMOMETER MEASUREMENT OF SEISMIC WAVE OF DEEP OCEAN FLOOR
AFCRL-63-250 N63-17694 16-21

SPHEROIDAL VIBRATIONS OF EARTH AT LONG PERIODS - RIGIDITY OF EARTH CORE N63-17710 16-12

ANALOG COMPUTER ANALYSIS OF SEISMOMETER MAGNETIC TAPE RECORDINGS
NASA-CR-50393 N63-17909 16-12

DESIGN AND CONSTRUCTION OF LUNAR SEISMOGRAPH USED AS BACK-UP INSTRUMENT FOR SURVEYOR FLIGHT - SURVEYOR PROJECT
NASA-CR-50245 N63-18290 17-15

TIDE AND STORM SURGE OBSERVATIONS IN CHUKCHI SEA
AFCRL-63-616 N63-20763 21-12

THEORETICAL TIDES ON RIGID MOON COMPARED TO GROSS PHYSICAL PROPERTIES OF MOON FROM TIDAL OBSERVATIONS N63-22050 22-29

GEOMAGNETIC OBSERVATIONS ON FLETCHERS ICE ISLAND
AFCRL-63-615 N63-22365 23-12

COMBUSTION ENGINEERING, INC., WINDSOR, CONN.

ARMY BOILING WATER POWER REACTOR /PL-2/ DESIGN OF TRANSPORTABLE MODULE USING AMBIENT COOLING - SNOW TUNNEL & OTHER COLD CLIMATE INSTALLATIONS
IDO-19021, VOL. I N63-16030 13-10

COMBUSTION INST., PITTSBURGH, PA.

COMBUSTION PHYSICS - LIQUID, SOLID AND GAS PHASES
NASA-CR-50312 N63-18501 17-26

COMITATO NAZIONALE PER L ENERGIA NUCLEARE, ROME /ITALY/.

SPECTROGRAPHIC ANALYSIS OF METALLIC IMPURITIES IN SANTOWAX
RT/CHI/62/13 N63-12447 06-07

ELECTRONIC METER FOR RADIATION DOSES
RT/EL/62/11 N63-12448 06-15

ELECTRON SYNCHROTRON, CRYOGENICS, RADIO-FREQUENCY ELECTRONICS, MAGNETISM, COMPUTER, AND ELECTRON AND POSITRON STORAGE RING EXPERIMENTS
LNF-63/11 N63-15565 12-23

COMITATO NAZIONALE PER L ENERGIA NUCLEARE, FRASCATI /ITALY/.

MEASUREMENTS OF BIOLOGICAL AND RADIATION EFFECTS FROM HIGH ENERGY ACCELERATORS
LNF-62-60 N63-12565 06-23

POLARIZATION OF MU-MESONS, WITH MOLLER SCATTERING IN MAGNETIZED IRON PLATES OF SPARK CHAMBER
LNF-62-61 N63-12566 06-23

DETECTION OF PHOTOPRODUCED MUON PAIRS IN CARBON BY DOUBLE COINCIDENCE METHOD DISTINGUISHING MUONS, PIONS, AND ELECTRONS
LNF-62-63 N63-12567 06-23

MEASUREMENT OF NEGATRON-POSITRON CONVERSION
LNF-62-66 N63-12568 06-15

MOTION OF PARTICLES IN CIRCULAR-TYPE ACCELERATOR
LNF-62-67 N63-12569 06-23

GAMMA RAY BEAM ANALYSIS BY CRYSTAL POLARIMETER - CROSS SECTION, ELECTRON PAIR PRODUCTION
LNF-62-68 N63-12570 06-23

INTERFERENCE EFFECTS IN THE TOTAL CROSS SECTION FOR PAIR PRODUCTION ON CRYSTALS AND ITS DEPENDENCE ON POLARIZATION OF GAMMA RAYS
LNF-62-70 N63-12571 06-25

TUNNEL DIODE DISCRIMINATOR CIRCUIT
LNF-62-73 N63-12572 06-09

CORRELATION OF MUON SPINS IN MUON PAIR PRODUCTION BY UNPOLARIZED PHOTONS
LNF-62-75 N63-12573 06-23

MEASUREMENT OF DECAY OF TRAPPED-FLUX IN SUPER-CONDUCTING RING UNDER BOMBARDMENT OF ALPHA PARTICLES FROM POLONIUM-210
LNF-62-85 N63-12574 06-23

PERFORMANCE OF DIAMOND CRYSTAL RADIATOR AS GAMMA RAY BEAM POLARIZER
LNF-62-87 N63-12575 06-23

COMPUTATION OF CROSS SECTION OF KAON PRODUCTION REACTION BY HIGH ENERGY NEUTRINOS
LNF-62-89 N63-12576 06-23

CIRCULAR POLARIZATION OF HIGH ENERGY GAMMA RAY BEAMS BY BIREFRINGENT SINGLE CRYSTALS
LNF-62-84 N63-12613 06-25

MUON CAPTURE IN HYDROGEN
LNF-62/109 N63-14799 11-23

VACUUM POLARIZATION AND RESONANCE CONTRIBUTIONS OF VIRTUAL VECTOR MESONS IN HIGH ENERGY ELECTRON-POSITRON COLLISIONS
LNF-63/6 N63-15384 12-24

PHASE-SPACE INTEGRALS FOR TWO AND THREE PARTICLE SYSTEMS - ENERGY EQUATIONS
LNF-62/108 N63-15442 12-23

AMPLITUDE DIGITIZING APPARATUS WITH PRINTOUT
LNF-63/1 N63-15449 12-09

ABERRATIONS AND ELECTRON OPTICS OF SYMMETRICAL SYSTEM OF REVOLUTION
LNF-63/5 N63-15450 12-23

SCINTILLATION TRACE TRACKING BY COMPUTER - IONIZATION CHAMBER
LNF-63/2 N63-15474 12-15

MEASUREMENT OF BREMSSTRALUNG SPECTRUM BY USE OF SYNCHROTRON
LNF-63/17 N63-15537 12-09

CALCULATIONS OF COLLISION SECTION FOR PRODUCTION OF LINEARLY POLARIZED ELECTRON PAIRS IN CRYSTALS
LNF-62/113 N63-15568 12-25

SPECTRA AND PROBABILITIES OF ETA-MESON DECAY BY ELECTRON-POSITRON DECAY MODE & BY MUON-MUON DECAY MODE - TWO-LEPTON SYSTEMS - NUCLEAR PHYSICS
LNF-63/16 N63-15569 12-23

DECAY OF ETA-MESON
LNF-62/99 N63-15572 12-23

NONPERTURBATIVE SOLUTION OF SMALL ANGLE SCATTERING PROBLEMS - MOLIERE FORMULA
LNF-63/19 N63-15573 12-23

LINEAR THEORY OF ACCELERATORS - CALCULATION OF DAMPING CONSTANTS OF CIRCULAR ACCELERATORS
LNF-63/18 N63-15857 13-23

SUPERCONDUCTING MAGNETS
LNF-63/26 N63-16243 13-25

TUNNEL DIODE DISCRIMINATION
LNF-62/111 N63-16749 14-09

MEASUREMENT OF HIGH MAGNETIC FIELDS BY MEANS OF FARADAY EFFECT
LNF-63/3 N63-16824 14-23

MAGNETIC ANALYZER FOR PLASMA DIFFUSION CHAMBER
LNF-63/4 N63-16946 14-23

CONNECTION BETWEEN NUCLEAR PARTICLE PARITY, STRANGENESS, AND ISOTOPIC SPIN
LNF-63/22 N63-17126 15-25

DESIGN ELEMENTS FOR A 750 MEV STORAGE RING FOR ELECTRONS AND POSITRONS
LNF-63/34 N63-19270 18-23

PHOTOPRODUCTION OF PSEUDOSCALAR MESONS - UNITARY SYMMETRY MODEL
LNF-63/21 N63-19281 18-23

ACCURACY OF MEASURING TRACK IN SPARK CHAMBER
LNF-63/33 N63-19590 19-23

CAPACITATIVE DEVICE FOR MEASURING CIRCULATING ELECTRONS IN A SYNCHROTRON
LNF-63/38 N63-19591 19-23

METHOD FOR DETERMINING XI HYPERON SPIN - NUCLEAR PHYSICS
LNF-63/31 N63-19627 19-23

ELECTRON-POSITRON MAGNETIC STORAGE RING - DESIGN AND CONSTRUCTION
LNF-63/62 N63-22925 23-23

COMPLETE SPIN TESTS FOR FERMIONS OF ARBITRARY SPIN
LNF-63/61 N63-22968 23-23

SPINNING PARTICLE MOTION IN TETRAD THEORY OF GRAVITATION
LNF-62/105 N63-22969 23-23

PROTON-COMPTON SCATTERING N63-22994 23-23

PRODUCTION OF CHARGED VECTOR BOSONS BY NEUTRINOS IN ELECTROMAGNETIC FIELD OF NUCLEUS CALCULATED FOR DIFFERENT BOSON MASSES & NUCLEI
N63-22995 23-23

POSSIBILITY OF RESONANT INTERACTIONS OF THE MUON
N63-22996 23-23

PROCEEDINGS OF THE NATIONAL INSTITUTE OF NUCLEAR PHYSICS - FRASCATI, ITALY, 1963
LNF-63/47 N63-23193 24-23

COSMIC RADIATION, SOLAR PLASMA, VAN ALLEN BELT, & SCINTILLATION COUNTER RESEARCH IN ITALY
LNF-63/54 N63-23194 24-23

LINEAR ACCELERATOR FOR ELECTRONS AND PROTONS
LNF-63/46 N63-23195 24-23

AUTOMATIC SELECTION AND RECOGNITION OF IMPULSES IN A COMPUTER SYSTEM
LNF-63/50 N63-23196 24-15

RADIOFREQUENCY SYSTEM FOR HIGH ENERGY PARTICLE ACCELERATOR
LNF-63/53 N63-23197 24-08

LINEAR THEORY OF ACCELERATORS - SYNCHOTRON AND BETATRON - COUPLING COEFFICIENTS FOR HORIZONTAL OSCILLATIONS
LNF-63/55 N63-23198 24-23

COMMISSARIAT A L ENERGIE ATOMIQUE, SACLAY /FRANCE/.

MEASUREMENT OF NEGATRON-POSITRON CONVERSION
LNF-62-66 N63-12568 06-15

METHOD FOR DISTINGUISHING HIGH ENERGY PROTONS AND MESONS HAVING SAME IMPULSE, BASED ON NIP JUNCTION CHARACTERISTICS IN SILICON DIODES
N63-12672 06-09

ADDRESSING SEQUENCE FOR ELECTRONIC MEMORY IN BINARY COMPUTER RECEIVING RHYTHMIC INPUT FROM CHRONOMETER N63-12684 06-09

EXCITED STATES IN NITROGEN 14 FROM CARBON 12 PLUS D REACTIONS N63-13939 09-23

COMMITTEE ON EXTENSION TO THE STANDARD ATMOSPHERE /COESA/.

U.S. STANDARD ATMOSPHERE, 1962 - PROPERTIES, DEVELOPMENT OF GRAVITY AND GEOPOTENTIAL, SYSTEMATIC VARIATION N63-13176 07-12

COMMITTEE ON NUCLEAR SCIENCE, NATIONAL ACADEMY OF SCIENCES - NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C.

COMPUTER METHODS FOR NUCLEAR AND RADIOCHEMISTRY
NAS-NS-3107 N63-15841 13-07

COMMITTEE ON SPACE RESEARCH /COSPAR/, THE HAGUE /NETHERLANDS/.

CHARGED PARTICLE 3-ELECTRODE TRAP EXPERIMENTS IN 2ND RADIATION BELT AND OUTERMOST BELT OF CHARGED PARTICLES N63-14537 10-28

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, NEW SOUTH WALES /AUSTRALIA/.

SOLAR RADIO ASTRONOMY - SOLAR FLARES & ATMOSPHERES
N63-10222 01-05

METEOR MASS DISTRIBUTION MEASUREMENTS BY RADIO ECHOES N63-16632 14-05

COMPAGNIE GENERALE DE TELEGRAPHIE SANS FIL, PARIS /FRANCE/.
SPECTROMETER FOR MEASURING MILLIMETRIC WAVE PROPAGATION N63-10785 02-15

SPACE DIVERSITY RECEPTION IN TROPOSPHERIC SCATTER FIELD MEASUREMENTS
AFCRL-63-356 N63-22508 23-28

COMPUTER ASSOCIATES, INC., WOBURN, MASS.
METHOD FOR AUTOMATIC CONSTRUCTION OF SYNTAX DIRECTED COMPILERS
AFCRL-62-955 N63-12814 06-20

COMPUTING DEVICES OF CANADA, LTD., BELLS CORNERS, ONT.
MATHEMATICAL ANALYSIS OF HYPERVELOCITY IMPACT OF PELLETS WITH THIN PLATES
NASA-CR-50706 N63-18648 17-05

COMSTOCK AND WESCOTT, INC., CAMBRIDGE, MASS.
PHOTOELECTRONS FROM SOLAR EXTREME ULTRAVIOLET N63-19697 19-12

CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS.
NASA APPROPRIATIONS HEARINGS, 1964 N63-23600 24-01

CONGRESS. HOUSE. COMMITTEE ON GOVERNMENT OPERATIONS.
CONGRESSIONAL HEARINGS ON SYSTEMS DEVELOPMENT AND MANAGEMENT - PART I N63-11213 03-01

CONGRESSIONAL HEARINGS ON SYSTEMS DEVELOPMENT AND MANAGEMENT - PART II N63-11214 03-01

CONGRESSIONAL HEARINGS ON SYSTEMS DEVELOPMENT AND MANAGEMENT - PART III N63-11215 03-01

CONGRESSIONAL HEARINGS ON SYSTEMS DEVELOPMENT AND MANAGEMENT - PART IV N63-11216 03-01

CONGRESSIONAL HEARINGS ON SYSTEMS DEVELOPMENT AND MANAGEMENT - PART V N63-11217 03-01

CONGRESS. HOUSE. COMMITTEE ON SCIENCE AND ASTRONAUTICS.
RADIO AND RADAR ASTRONOMY, TRACKING AND DATA ACQUISITION - CONGRESSIONAL HEARINGS N63-10862 02-05

COMMERCIAL COMMUNICATIONS SATELLITES - CONGRESSIONAL HEARINGS N63-10865 02-08

METEOROLOGICAL SATELLITES - CONGRESSIONAL HEARINGS N63-10890 02-30

SPACE AND THE WEATHER - METEOROLOGICAL SATELLITES - CONGRESSIONAL REPORT N63-11128 03-21

CONGRESSIONAL REPORT - NASA SPACE PROGRAM, ADVENT PROGRAM, CENTAUR VEHICLES, ANNA PROJECT, AND ASTRONAUTS N63-11129 03-01

NASA AUTHORIZATION, 1963, PART 1, APPROPRIATIONS - CONGRESSIONAL HEARINGS N63-11658 04-01

NASA AUTHORIZATION, 1963, PART 2, MANAGEMENT PHASE - CONGRESSIONAL HEARINGS N63-11659 04-01

NASA AUTHORIZATION, 1963, PART 3, ADVANCED RESEARCH AND TECHNOLOGY - CONGRESSIONAL HEARINGS N63-11660 04-01

NASA AUTHORIZATION, 1963, PART 4, SPACE SCIENCES PROGRAM - CONGRESSIONAL HEARINGS N63-11661 04-01

NASA AUTHORIZATION, 1963, METEOROLOGICAL AND COMMUNICATIONS SATELLITES, TRACKING - CONGRESSIONAL HEARINGS N63-11662 04-08

PANEL ON SCIENCE & TECHNOLOGY - ROCKET ENGINES, RADIO ASTRONOMY, GEODETIC SATELLITES - CONGRESSIONAL HEARINGS N63-11723 04-01

PROPOSED AMENDMENT TO NATIONAL AERONAUTICS AND SPACE ACT OF 1958 N63-11724 04-01

DEVELOPMENT OF LARGE SOLID PROPELLANT BOOSTERS - CONGRESSIONAL HEARINGS N63-11725 04-01

ADVENT MILITARY COMMUNICATIONS SATELLITE PROGRAM - CONGRESSIONAL HEARINGS N63-11726 04-01

CAPE CANAVERAL - LAUNCH FACILITIES - CONGRESSIONAL REPORT N63-11727 04-10

COMMUNICATIONS SATELLITE EXPERIMENTS - CONGRESSIONAL REPORT N63-11728 04-01

OWNERSHIP OF PATENTS ORIGINATING UNDER GOVERNMENT CONTRACTS FOR AERONAUTICAL & SPACE RESEARCH - CONGRESSIONAL HEARINGS N63-11804 04-01

RADIO & RADAR ASTRONOMY - SUGAR GROVE FACILITY, RADIOFREQUENCY ASSIGNMENT AND NATIONAL SOLAR OBSERVATORY PROPOSAL - CONGRESSIONAL HEARINGS N63-12291 05-01

ECONOMIES IN NATIONAL SPACE PROGRAM - ASTROPLANE - STANDARDIZATION TECHNIQUES, SEA-LAUNCHED BOOSTERS - CONGRESSIONAL REPORT N63-12292 05-01

DEVELOPMENT OF LARGE SOLID PROPELLANT BOOSTERS - LIQUID PROPELLANTS FOR SATURN AND NOVA VEHICLES N63-12293 05-01

QUALIFICATIONS FOR ASTRONAUTS - CONGRESSIONAL HEARING N63-14226 09-01

ANNA PROJECT - GEODETIC SATELLITE USING OPTICAL METHODS, RADIO RANGE TECHNIQUES, DOPPLER RADAR FOR CALIBRATING INSTRUMENTATION AT TRACKING STATIONS N63-15430 12-32

CENTAUR LAUNCH VEHICLE DEVELOPMENT PROGRAM HR-1959 N63-15525 12-31

NATIONAL BUREAU OF STANDARDS CONTRIBUTION TOWARD SPACE EFFORT - MEASUREMENTS AND CALIBRATIONS - CONGRESSIONAL HEARINGS N63-15796 13-01

NASA APPROPRIATIONS HEARING BEFORE COMMITTEE ON SCIENCE AND ASTRONAUTICS N63-21930 22-01

APPROPRIATIONS FOR NASA - HOUSE OF REPRESENTATIVES REPORT N63-23074 24-01

CONGRESS. SENATE. COMMITTEE ON AERONAUTICAL AND SPACE SCIENCES.
NATIONAL AERONAUTICS AND SPACE ACT AS AMENDED THROUGH OCTOBER 1962 N63-11130 03-01

SENSITIVITY IN SAMPLED-DATA HANDLING SYSTEMS N63-12358 06-09

NASA PROGRAM FISCAL YEAR 1964 AUTHORIZATION - SENATE COMMITTEE HEARING N63-21342 21-01

NASA PROGRAM FISCAL YEAR 1964 AUTHORIZATION - SENATE COMMITTEE HEARING N63-21343 21-01

INTERNATIONAL ASPECTS OF EXPLORATION AND USE OF OUTER SPACE, 1954 TO 1962 N63-22840 23-01

AUTHORIZING APPROPRIATIONS FOR NASA N63-23421 24-01

CONGRESS. SENATE. COMMITTEE ON COMMERCE.
SATELLITE COMMUNICATIONS - SENATE HEARINGS - SPACE LAW N63-15504 12-32

CONGRESS. SENATE. COMMITTEE ON FOREIGN RELATIONS.
COMMUNICATIONS SATELLITE ACT - INTERNATIONAL RELATIONS AND LEGAL ASPECTS - CONGRESSIONAL HEARINGS
HR-11040 N63-15434 12-01

CONNECTICUT AGRICULTURAL EXPERIMENT STATION, NEW HAVEN.
OPTIMUM LIGHTING OF LEAVES - PHOTOSYNTHESIS N63-16152 13-16

CONNECTICUT U., STORRS.
SENSITIVITY IN SAMPLED-DATA HANDLING SYSTEMS
N63-12358 06-09

GEOMETRY OF INTERMEDIATE FREE RADICAL INFERRED FROM PRODUCTS OF FREE RADICAL CYCLOHEXYL ALCOHOL ADDITION TO AN OLEFIN
AROD-2786-2 N63-13375 08-07

COORDINATE TRANSFORMATION IN INCREMENTAL PHASE PLANE - DESIGN OF LINEAR SAMPLED DATA CONTROL SYSTEMS
NASA-CR-50457 N63-18256 17-09

DESIGN PROBLEM FOR LIQUID PROPELLANT ROCKET PROPULSION SYSTEMS N63-20325 20-27

VELOCITY OF INTERFACE BETWEEN LIQUID AND VAPOR PHASE OF SUPERHEATED LIQUID & TEMPERATURE DISTRIBUTION IN LIQUID PHASE N63-20427 20-11

LIAPUNOV METHOD APPLIED TO CONTROL DESIGN FOR A CLASS OF NONLINEAR TIME VARYING PROCESSES
NASA-CR-52239 N63-23650 24-09

CONSERVATION FOUNDATION, NEW YORK, N.Y.
RESULTS OF CARBON DIOXIDE POLLUTION OF ATMOSPHERE
N63-23127 24-12

CONSIGLIO NAZIONALE DELLE RICERCHE, ROME /ITALY/.
BIBLIOGRAPHY OF ULTRASONICS - 1958
N63-20513 20-23

BIBLIOGRAPHY OF ULTRASONICS - 1957
N63-20514 20-23

CONSOLIDATED VACUUM CORP., ROCHESTER, N.Y.
EXPERIMENTAL DOUBLE-WALLED CHAMBER ULTRAHIGH VACUUM SYSTEM N63-12755 06-06

CONSOLIDATION COAL CO., LIBRARY, PA.
TRITIUM LABELING OF ORGANIC MATERIALS - NUCLEAR MAGNETIC RESONANCE AND EXCHANGE REACTIONS
NYO-10178 N63-22787 23-23

CONTINENTAL TECHNICAL SERVICE, INC., SILVER SPRING, MD.
PORTABLE INTEGRATING SPHERE FOR MONITORING SOLAR REFLECTANCE OF SPACECRAFT COATING
NASA-TN-D-1714 N63-15053 11-15

CONTROLS FOR RADIATION, INC., CAMBRIDGE, MASS.
SCINTILLATION SPECTROMETER MEASUREMENT OF SPECTRA AND SPATIAL ENERGY DISTRIBUTION OF PULSED X-RAYS GENERATED BY HIGH POWERED ELECTRONIC EQUIPMENT
RADC-TDR-63-29 N63-18189 16-15

CONVAIR, FORT WORTH, TEX.
FOUR-FLUX IRRADIATION OF SOLID FILM LUBRICANTS AT AMBIENT TEMPERATURE
FGT-1880 N63-14735 11-17

COOK ELECTRIC CO., CHICAGO, ILL.
EVALUATION OF BATTERIES FOR SATELLITE APPLICATION, NICKEL-CADMIUM CELLS N63-14150 09-06

COOK ELECTRIC CO., DAYTON, OHIO.
ALKALINE BATTERY EVALUATION
ASD-TDR-62-553 N63-10422 01-06

NICKEL-CADMIUM BATTERIES N63-11342 03-17

NICKEL-CADMIUM BATTERY IMPROVEMENT BY CYCLE-LIFE TESTING TO FAILURE
NASA-CR-51596 N63-22585 23-06

COOK ELECTRIC CO., MORTON GROVE, ILL.
LIFE CYCLE TESTING AND FAILURE ANALYSIS OF NICKEL CADMIUM BATTERIES
NASA-CR-51597 N63-23037 24-18

CORBIN-FARNSWORTH, INC., PALO ALTO, CALIF.
REMOTE BLOOD PRESSURE MEASURING SYSTEM
N63-12796 06-16

CORDO CHEMICAL CORP., MOBILE, ALA.
ABLATIVE PROPERTIES OF MATERIALS MOLDED AT EXTREMELY LOW PRESSURES - PLASTIC LAMINATES
N63-16323 13-27

ABLATIVE PROPERTIES OF MOLDED FIBER REINFORCED PANELS - PRESSURE EFFECT N63-21393 22-19

CORNELL AERONAUTICAL LAB., INC., BUFFALO, N.Y.
DESIGN OF A PULSED MASS RADIATOR FOR USE AS A SPECTROSCOPIC RADIATION SOURCE
N63-10899 02-23

MAN AMPLIFIER CONCEPT - MAN MACHINE SYSTEMS, BODY KINEMATICS, SERVOMECHANISMS
CAL-VO-1616-V-1 N63-10944 02-16

TURBULENT BOUNDARY LAYERS ON HIGHLY COOLED SURFACES AT HIGH MACH NUMBERS
N63-11075 03-11

BINARY SCALING FOR NONEQUILIBRIUM AIR FLOWS ABOUT BLUNT BODIES
CAL-QM-1626-A-8 N63-11419 03-02

CONICAL AND CONTOURED EXPANSION NOZZLES IN HYPERVELOCITY FACILITIES
CAL-112 N63-11420 03-11

ROTARY WING AIRLOAD DISTRIBUTION IN FORWARD FLIGHT - PREDICTION BY COMPUTER PROGRAM
CAL-BB-1495-S-1 N63-11746 04-03

FLOW VISUALIZATION AND QUANTITATIVE GAS DENSITY MEASUREMENTS IN RAREFIED GAS FLOWS
ASD-TDR-62-793 N63-11923 04-15

HYPERSONIC SHOCK LAYER AT LOW REYNOLDS NUMBER - THE YAWED CYLINDER
ARL-62-453 N63-12026 05-11

EFFECTS OF AMBIENT DISSOCIATION AND SPECIES DIFFUSION FOR NONEQUILIBRIUM SHOCK LAYERS
IAS PAPER 63-70 N63-12652 06-11

HIGH POWER AND DELILAH PROJECTS - HIGH MICROWAVE POWER LEVELS FOR ANTIMISSILE RADAR SYSTEMS
CAL-UB-1309-P-108 N63-12760 06-08

COMBUSTION OF METALS - PROPELLANTS, IGNITION, BURNING, REACTION KINETICS AND FLAME TEMPERATURE
CAL-86-P N63-13109 07-26

AUTOMATIC CONTROL OF STATIC ELECTRICITY FOR HELICOPTERS
TCREC-TR-62-22 N63-13506 08-04

CHEMICAL RELAXATION & MOLECULAR DISSOCIATION FROM VIBRATIONAL HEATING
CAL-QM-1626-A-10 N63-14172 09-07

EXPERIMENT LUXEMBOURG II - CRYSTAL CONTROLLED VERY HIGH FREQUENCY PULSE TRANSMITTER FOR WAVE INTERACTION EXPERIMENT
CAL-VC-1609-P-1 N63-14238 10-08

FINITE DIFFERENCE METHODS AS APPLIED TO HYPERSONIC, VISCOUS SHOCK-LAYER EQUATIONS
CAL-AF-1285-A-9 N63-14623 10-20

AIRCRAFT PERFORMANCE SIMULATORS FOR PILOT TRAINING
NAVTRADEVCEN-1146-1 N63-14788 11-04

CORRESPONDENCE BETWEEN RELAXATION ZONE ALONG STREAMLINE IN BLUNT-BODY FLOW AND NORMAL SHOCK
CAL-QM-1626-A-7 N63-15112 11-11

HIGH ALTITUDE BASE HEATING OF 4-ENGINE ROCKET NOZZLE CONFIGURATION
CAL-HM-1510-Y-/1/ N63-15429 12-26

ROTARY WING HARMONIC AIRLOADS - THEORY AND EXPERIMENT N63-15432 12-03

OPTIMIZATION OF LINEAR CONTROL THEORY FOR APPLICATION TO AEROSPACE VEHICLE CONTROL SYSTEMS
N63-15634 12-09

STUDY OF INFRARED EMISSION FROM HYPERSONIC AIR FLOW
CAL-QM-1626-A-2 N63-15784 13-13

CALORIMETRIC ENTHALPY PROBE USING EVAPORATIVE FILM COOLING TO MEASURE GAS COMPOSITION AND ENERGY

BALANCE - TECHNIQUE TO MEASURE TOTAL ENTHALPY
ARL-63-47 N63-16460 14-15

PROCESS OF CRATER FORMATION RESULTING FROM IMPACT OF HYPERVELOCITY PROJECTILE - METEOROID IMPACT
CAL-RM-1655-M-4 N63-16887 14-05

CATALYTIC ACTIVITY AND ATOMIC RECOMBINATION IN STEP FUNCTION OXYGEN FLOW - HEAT TRANSFER
CAL-AF-1412-A-2 N63-16923 14-11

FLUTTER CHARACTERISTICS OF JET FLAP HELICOPTER ROTOR - HOVERING AND FLIGHT
TRECOM-TR-63-9 N63-17604 16-33

OPTIMIZATION OF ANALOG AND DIGITAL DATA COMMUNICATIONS SYSTEMS
RADC-TDR-63-147 N63-17933 16-08

MAXIMUM LIKELIHOOD RECEPTION OF FREQUENCY MODULATED SIGNALS IN COMMUNICATION SYSTEMS
N63-17934 16-08

COMMUNICATIONS SYSTEMS - THRESHOLD EFFECTS IN FREQUENCY MODULATED RECEIVERS WITH RANDOMLY MODULATED SIGNALS N63-17935 16-08

APPLICATION OF INFORMATION THEORY TO ESTABLISH BOUNDS ON PERFORMANCE OF COMMUNICATIONS SYSTEMS
N63-17936 16-08

TRANSMISSION OF ANALOG DATA OVER DIGITAL CHANNEL COMMUNICATION SYSTEM N63-17937 16-08

PARTIAL ORDERING OF CHANNELS AND COMPARISON OF DIGITAL DATA COMMUNICATION SYSTEMS WITH DIFFERENT TRANSMISSION ALPHABETS N63-17938 16-08

OPTIMIZATION OF DIGITAL COMMUNICATION SYSTEMS OVER DISPERSIVE CHANNEL IN FREQUENCY DOMAIN
N63-17939 16-08

DESIGN CONFIGURATION IN MANUFACTURE OF MATERIALS - CAVITATION, OXIDATION, BONDING - IONIC CRYSTALS - PLASTIC FLOW
CAL-NM-1559-P-4 N63-17945 16-17

MATERIALS SCIENCE - EMBRITTLEMENT MECHANISM, PARTICLE BEAM EFFECTS & STRAIN RATE EFFECTS IN MATERIALS MANUFACTURING
CAL-NM-1559-P-3 N63-18023 16-17

REALIZATION OF DESIGN CONFIGURATIONS IN STRUCTURAL MATERIALS - NEOS PROJECT
CAL-NM-1559-P-2 N63-18026 16-17

RELAXATION PROCESSES OF INVISCID, NONEQUILIBRIUM FLOW BEHIND BOW AND NORMAL SHOCK WAVES
CAL-QM-1626-A-12/1/ N63-18105 16-11

HIGH RESOLUTION WIND AND WIND SHEAR MEASUREMENT WITH DOPPLER RADAR
NASA-CR-50169 N63-18293 17-15

FOG - RADIATION, ADVECTION AND AIR MASS FOG - VERTICAL DISTRIBUTION, GROWTH RATE AND CONTROL CONCEPT
NASA-CR-50530 N63-18498 17-21

FLOW CHARACTERISTICS OF JET IMPINGEMENT FROM VTOL AIRCRAFT
CAL-BB-1657-S-1 N63-18745 17-11

OPERATING LIMITS OF SURFACE THERMOMETERS USING SOLID CONDUCTION THEORY TO MEASURE HEAT FLUX - SELECTION CRITERIA
CAL-124 N63-18751 17-13

SHOCK RELAXATION IN GASEOUS SUSPENSIONS OF SOLID PARTICLES AND PARTICLE DRAG COEFFICIENTS
CAL-90-P N63-19085 18-11

STAGNATION REGION ANALYSIS IN HYPERSONIC FLOW AND BOUNDARY LAYERS AROUND BLUNT BODIES AT LOW REYNOLDS NUMBER
CAL-AF-1285-A-10 N63-19352 18-11

COMPUTER PROGRAMS FOR SOLUTION OF RELAXATION ZONE BEHIND A NORMAL SHOCK WAVE AND FOR NONEQUILIBRIUM FLOW ABOUT BLUNT BODY HYPERSONIC VEHICLE
CAL-QM-1626-A-12/II/ N63-19511 19-20

SCATTERING COEFFICIENTS FOR BACKSCATTERING OF ELECTROMAGNETIC WAVES FROM PERFECTLY CONDUCTING SPHERES
CAL-AP/RIS-1 N63-19518 19-09

INFRARED EMISSION FROM HYPERSONIC AIR FLOWS - REENTRY FLOW FIELD ANALYSIS AND PREDICTION OF SPECTRAL RADIATION AND ELECTRON DENSITIES
CAL-QM-1626-A-11 N63-19623 19-11

POPULATION INVERSIONS BY GAS-DYNAMIC METHODS AND FEASIBILITY OF LASER ACTIVITY FOR ATOMIC EXCITATION
CAL-RH-1670-A-1 N63-19641 19-11

DISPERSAL OF REACTOR CORE MATERIAL BY REENTRY DISINTEGRATION PROCESS
CAL-AA-1506-W-1 N63-19772 19-30

INFRARED RADIATION FROM HYPERSONIC AIR FLOWS - RADIATION MEASUREMENT, DOWNRANGE MEASUREMENT, FLOW FIELD ANALYSIS
CAL-QM-1626-A-13 N63-19815 19-11

IONIZATION NONEQUILIBRIUM EFFECTS ON MAGNETOGAS-DYNAMIC INTERACTION IN STAGNATION REGION OF AXISYMMETRIC BLUNT BODIES
CAL-AG-1547-Y-1 N63-19884 19-24

DYNAMIC LOADS AND DESIGN OF HELICOPTERS, VERTICAL TAKEOFF AND LANDING AIRCRAFT AND V/STOL AIRCRAFT
N63-20351 20-04

RESEARCH IN HELICOPTER ROTORS, DESIGN, PERFORMANCE AND CONTROL N63-20362 20-04

RESEARCH IN V/STOL AIRCRAFT DESIGN, CAPABILITY, CONTROL, DYNAMIC LOADS, TRANSITION FLIGHT, AERODYNAMIC LOADS AND WING AEROELASTICITY
N63-20363 20-04

SPACECRAFT SENSORS FOR DETECTING RADIO AND RADAR SIGNALS - ANALYSIS OF REQUIREMENTS
AIAA PAPER-63-348 N63-20478 20-08

VIBRATIONAL AND DISSOCIATION NONEQUILIBRIUM IN DIATOMIC GAS - SUPERSONIC AXISYMMETRIC SHOCK WAVE
AIAA PAPER 63-439 N63-21164 21-11

DATA PROCESSING AND MILITARY COMMAND & CONTROL - BIBLIOGRAPHY
CAL-ZF-1724-X-1 N63-21174 21-06

FABRICATION OF WAVE SUPERHEATER HYPERSONIC TUNNEL
CAL-AD-1345-W-7 N63-21248 21-15

RAREFIED GAS DYNAMICS - HYPERSONIC SHOCK TUNNEL DATA - BLUNT AXISYMMETRIC & TWO-DIMENSIONAL BODIES AND SHARP FLAT PLATE DATA N63-21607 22-11

DYNAMIC LOAD PROBLEMS OF HELICOPTER AND V/STOL AIRCRAFT ROTORS N63-21823 22-04

DYNAMIC LOADS AND AEROELASTIC RESPONSE OF HELICOPTER ROTORS N63-21829 22-04

DYNAMIC LOAD PROBLEMS ASSOCIATED WITH HELICOPTERS AND V/STOL AIRCRAFT N63-21838 22-04

SKIN FRICTION TRANSDUCER FOR USE IN HYPERSONIC SHOCK TUNNEL
CAL-129 N63-22395 23-15

PROPERTIES OF SHOCK RELAXATION IN GAS FLOWS CARRYING SMALL PARTICLES
CAL-87-P N63-22752 23-11

PHOTOGRAPHIC DATA PROCESSING BY OPTICAL METHODS
CAL-VE-1512-G-1 N63-22872 23-20

WHITEOUT SEEDING - DRY ICE PARTICLE SIZE, SEEDING EFFICIENCY, AND PARTICLE SIZE
CRREL-124 N63-22979 23-21

SHORT-DURATION COMBUSTOR TO SIMULATE LIQUID-ROCKET ENGINE EXHAUST FLOWS

NASA-TM-X-51978 N63-23025 24-26

HUMAN CONTROLLER-VEHICLE PERFORMANCE IMPROVEMENT - DISPLAY VERSUS VEHICLE AUGMENTATION N63-23261 24-14

PERTURBATION ANALYSIS OF NONUNIFORM AMBIENT FLOW EFFECTS ON FLOW FIELDS OF HYPERSONIC TEST BODIES N63-23423 24-02

MINIATURE CALORIMETRIC ENTHALPY PROBE FOR HIGH TEMPERATURE, HIGH HEAT FLUX ENVIRONMENT - ARC N63-23491 24-24

DATA PROCESSING RELEVANT TO MILITARY COMMAND - BIBLIOGRAPHY
ESD-TDR-63-349 N63-23561 24-20

CORNELL U., ITHACA, N.Y.
EFFECT OF CRYSTALLINE IMPERFECTIONS UPON THE ELECTRICAL PROPERTIES OF SEMICONDUCTING INTERMETALLIC COMPOUNDS N63-10488 01-25

SINGLE PULSE SHOCK TUBE STUDIES - CIS-TRANS ISOMERIZATION OF BUTENE-2
CU-7356 N63-10699 02-07

BUCKLING PRESSURE SIMILARITY OF CONICAL AND CYLINDRICAL SHELLS N63-10838 02-33

MAGNETOSPHERIC INTERCHANGE INSTABILITY FOR IDEAL PLASMA
CRSR-130 N63-12033 05-24

THERMODYNAMIC BEHAVIOR OF HEISENBERG FERROMAGNET - TEMPERATURE PERTURBATION THEORY N63-13429 08-25

CHEMICAL KINETICS - HYPERSONIC GAS DYNAMICS N63-13463 08-07

PHONON SCATTERING AT LOCALIZED MODES AND THERMO-CONDUCTIVITY OF INSULATING CRYSTALS - ALKALI HALIDES WITH IMPURITY CENTERS N63-13467 08-25

EFFECTS OF GRAVITATIONAL ENERGY ON MAGNETOSPHERIC GAS EXCHANGE INSTABILITY N63-13600 08-12

STUDY OF REFLECTION LAWS OF A VARIETY OF SURFACES WITH APPLICATION OF THEIR PROPERTIES TO LUNAR SURFACE
CRSR-139 N63-14087 09-29

ANNOTATED BIBLIOGRAPHY OF NATURAL RADIO EMISSION FROM ASTRONOMICAL SOURCES - VOLUME FOR 1961 N63-14290 10-05

TUNNELING BETWEEN SUPERCONDUCTORS WITH OXIDE FILM INSULATION N63-15070 11-25

STAGNATION POINT OF FLOW OF VARIABLE PROPERTY FLUID AT LOW REYNOLDS NUMBERS - BOUNDARY LAYER THEORY
AFOSR-2981 N63-15090 11-11

UNSTEADY MOTIONS THEORY FOR JET-FLAPPED THIN AIRFOIL - CAUSED BY UNSTEADY FLOW N63-15173 11-03

ABSORPTION SPECTRA OF BENZENE AND PERFLUOROBENZENE AT HIGH TEMPERATURES - KINETICS OF BENZENE PYROLYSIS
CU-7470 N63-15203 11-07

CHEMISTRY OF ORGANIC COMPOUND-FLUORINE REACTIONS - SYNTHESIS OF HIGHLY FLUORINATED COMPOUNDS
AROD-2289-4 N63-15482 12-07

ENERGY BUDGET AT EARTH SURFACE - SOIL MOISTURE STUDY, ELLIS HOLLOW, ITHACA, NEW YORK N63-15791 13-12

THEORETICAL PHOTOMETRIC PROPERTIES OF LUNAR SURFACE - FUNCTIONS FOR DIFFERENTIAL & INTEGRAL BRIGHTNESS
CRSR-138 N63-15936 13-29

THEORETICAL AND EXPERIMENTAL INVESTIGATION OF

LINEAR BEAM MICROWAVE TUBES - KLYSTRONS AND ELECTRON BEAMS
EE-556 N63-16016 13-09

RELATIVISTIC STUDY OF LLEWELLYN ELECTRONIC GAP AND ITS APPLICATION TO DIODES AND KLYSTRONS - MICROWAVE TUBES
EE-525 N63-16017 13-09

RESPONSE OF KLYSTRONS TO NANOSECOND PULSES - HIGH POWER AMPLIFIERS, ELECTRON BEAM BALLISTICS, MICROWAVE TUBE
EE-542 N63-16018 13-09

NANOSECOND STUDY - RESPONSE OF MICROWAVE TUBE RESONANT CAVITY TO FREQUENCY OF INPUT PULSE WITH GAUSSIAN ENVELOPE
EE-541 N63-16019 13-09

BALLISTIC ANALYSIS OF MODULATED ELECTRON BEAMS - GAP & DRIFT CALCULATIONS FOR TWO CAVITY KLYSTRON - EFFECT OF VELOCITY FILTER GAP - MICROWAVE TUBE
EE-547 N63-16020 13-09

REDUCTION OF SPURIOUS OUTPUT SIGNALS IN HIGH POWER KLYSTRONS - RADIOFREQUENCY INTERFERENCE IN MICROWAVE TUBES
EE-540 N63-16021 13-09

LINEAR BEAM MICROWAVE TUBE - ELECTRON FLOW IN A BRILLOUIN BEAM - STL-100 ELECTRON GUN - KLYSTRON
EE-555 N63-16069 13-09

RADIO FREQUENCY CURRENT DISTRIBUTIONS IN A BRILLOUIN BEAM - MICROWAVE TUBES
EE-546 N63-16070 13-09

ELECTRON BEAM LAMINAR FLOW IN MAGNETIC FIELD - BRILLOUIN BEAM - STL-100 ELECTRON GUN
EE-539 N63-16071 13-09

ION NEUTRALIZATION OF SPACE CHARGE IN BRILLOUIN BEAMS - MICROWAVE TUBES
EE-545 N63-16072 13-09

AUTOMATED FIELD-PLOTTING OF ELECTRIC FIELD STRENGTH VERSUS POSITION WITHIN RESONANT CAVITY USING PERTURBATION TECHNIQUES - MICROWAVE TUBES
EE-551 N63-16073 13-09

MICROWAVE TUBES - POWER MEASUREMENTS ON THE SAS 61 KLYSTRON
EE-544 N63-16074 13-09

ENERGY BUDGET AT EARTH SURFACE - MICROMETEOROLOGY AND WIND TEMPERATURE PROFILES N63-16581 14-21

ENERGY BUDGET AT EARTH SURFACE - ENERGY AND WATER BALANCE IN PLANT COMMUNITY N63-16582 14-16

FINE POWDER THEORY FOR DESCRIBING LUNAR SURFACE
NASA-CR-50117 N63-16731 14-29

MOTION OF CONDUCTING & NONCONDUCTING SPHERES THROUGH A CONDUCTING LIQUID IN PRESENCE OF A MAGNETIC FIELD N63-16877 14-24

VACUUM ULTRAVIOLET MONOCHROMATOR N63-17238 15-15

ELECTRON SPIN RESONANCE STUDY OF PARTIALLY REDUCED VANADIUM PENTOXIDE SINGLE CRYSTALS N63-17263 15-18

SINGLE CRYSTAL CONDUCTIVITY - ELECTRIC AND MAGNETIC PROPERTIES FOR TUNGSTEN BRONZE AND RUBIDIUM TUNGSTEN BRONZE N63-17264 15-18

SOLID STATE DEFECT STRUCTURES - SEMICONDUCTOR ANALYSIS N63-17350 15-25

STATISTICAL PROBABILITY FOR RELIABILITY OF SAMPLE LIFE - WEIBULL DISTRIBUTION N63-17724 16-20

CURRENT LAYER DIFFUSION IN ONE-DIMENSIONAL MAGNETIC PINCH EFFECT AT SURFACE OF ELECTRICALLY CONDUCTING GAS N63-17774 16-11

RECOMBINATION LUMINESCENCE IN ALKALI HALIDES
NASA-CR-50399 N63-17955 16-25

ENERGY BUDGET AT EARTH SURFACE
N63-18052 16-13

SMALL PERTURBATION WAVE PROPAGATION IN MAGNETOGASDYNAMIC CHANNEL FLOWS
N63-18059 16-11

ULTRAVIOLET ABSORPTION SPECTRUM OF POTASSIUM CHLORIDE/POTASSIUM BROMIDE SINGLE CRYSTALS AND THIN LAYERS
NASA-CR-403 N63-18063 16-25

COMPARISON OF TRACKED RADAR ANGELS AND ATMOSPHERE RADIOSONDE PROFILES
AFCRL-63-434 N63-18153 16-21

OPTICAL ABSORPTION BAND SHAPES OF IONIC CRYSTALS - ALKALI HALIDES AND POTASSIUM CHLORIDE
NASA-CR-50405 N63-18178 16-25

TRANSONIC MAGNETOGASDYNAMIC FLOW IN INVISCID MEDIUM - LEADING AND TRAILING EDGE FLOW PATTERNS
N63-18249 17-11

ALKALI HALIDES IN VACUUM ULTRAVIOLET
NASA-CR-50400 N63-18259 17-25

ULTRAVIOLET ABSORPTION BANDS AT VARIOUS TEMPERATURES - CONCENTRATION OF POTASSIUM IODIDE DILUTED IN SINGLE POTASSIUM CHLORIDE CRYSTALS
NASA-CR-50402 N63-18399 17-25

ULTRAVIOLET SPECTRA OF SHOCK HEATED DICHLOROETHYLENE N63-18508 17-01

GAS DYNAMICS OF ROCKET NOZZLE FLOW - MAGNETO-FLUID FLOW AND CROSSED AND ALIGNED FIELD FLOW STABILITY
N63-18576 17-11

PHOTOIONIZATION CROSS-SECTION OF NEON FROM 80 A TO 600 A N63-19076 18-11

BEAM-PLASMA MICROWAVE INTERACTION AND LASER STIMULATED THERMIONIC EMISSION - ELECTRON TUBES
EE-560 N63-19140 18-23

TWO-DIMENSIONAL MAGNETOGASDYNAMIC FLOW WITH RESISTANCE, VISCOSITY AND HEAT CONDUCTION
N63-19468 19-11

EXCITED STATES OF THE NUCLEON
N63-20627 20-23

ONE-PHONON RESONANCES IN INELASTIC SCATTERING OF NEUTRONS BY ANHARMONIC CRYSTALS
N63-20628 20-25

HYDROMAGNETICS OF AN ELLIPSOID MOVING IN CROSSED FIELD N63-21267 21-24

HYDROMAGNETICS OF SPHERICAL CONDUCTORS
N63-21268 21-24

LINEAR-BEAM MICROWAVE TUBE - VELOCITY FILTERING ACTION OF KLYSTRONS
EE-558 N63-21632 22-23

LINEAR-BEAM MICROWAVE TUBE - EFFICIENCY IMPROVEMENT OF KLYSTRON BY CIRCULATION OF RADIO FREQUENCY POWER INTO OUTPUT GAP
N63-21633 22-23

LINEAR BEAM MICROWAVE TUBE - MODIFICATION OF ELECTRON BEAM ANALYZER N63-21634 22-23

LINEAR BEAM MICROWAVE TUBE - ANALYSIS OF BRILLOUIN ELECTRON BEAM USING SECOND ORDER TERMS TO ACCOUNT FOR FIRST ORDER NONLINEARITY N63-21635 22-23

DIRECT CURRENT SCALLOP EFFECT ON RADIO FREQUENCY MODULATION IMPARTED TO OTHERWISE PERFECT BRILLOUIN ELECTRON BEAM N63-21636 22-23

MAGNETICALLY SHIELDED ELECTRON GUN TO PRODUCE BRILLOUIN-FOCUSED ELECTRON BEAM
N63-21637 22-23

CONTINUOUS FOCUSING OF ELECTRON BEAMS BY AXI-SYMMETRIC MAGNETIC FIELD N63-21638 22-23

ELECTRON BEAM AND RADIO FREQUENCY CIRCUIT INTERACTION IN A RING-ROD RESONATOR
N63-21639 22-23

FIRST REVERSING MAGNETIC CAVITY MODE IN KLYSTRON - COUPLING COEFFICIENT & BEAM LOADING
N63-21640 22-23

AMPLIFICATION BY PULSED MICROWAVE AMPLIFIERS IN NANOSECOND PULSE RANGE N63-21641 22-23

NOISE BEHAVIOR OF ELECTRON BEAMS IN RANGE OF MICROWAVE TUBES N63-21642 22-23

SILICON BORON IMPURITY SYSTEM STUDY BY NUCLEAR MAGNETIC RESONANCE N63-22970 23-25

THEORY OF MAGNETOHYDRODYNAMIC FREE SURFACE WAVES N63-23160 24-24

CORNELL U., NEW YORK, N.Y.
CAUSES OF IMPACT INJURY IN AUTOMOBILE ACCIDENTS
N63-12852 07-16

RAREFIED GAS DYNAMICS - SOLUTION OF BOUNDARY VALUE PROBLEM OF BOLTZMANN EQUATION AT ARBITRARY KNUDSEN NUMBER BY TRANSFER EQUATIONS
N63-21594 22-11

CORNING GLASS WORKS, N.Y.
HIGH-TEMPERATURE GROWTH MECHANISM OF SINGLE CRYSTALS OF METAL OXIDES
AFCRL-62-771 N63-11183 03-25

PRODUCTION OF FLUID AMPLIFIERS BY OPTICAL FABRICATION N63-13392 08-11

COSMIC, INC., WASHINGTON, D.C.
CONSTANT OBLIQUE FIELD, ELECTROSTATIC GENERATOR - ELECTRIC POWER CONVERSION
ASD-TDR-63-87 N63-20680 20-09

COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, JOHANNESBURG /UNION OF S. AFRICA/.
TELECOMMUNICATIONS RESEARCH - RADIO PROPAGATION, IONOSPHERIC ABSORPTION, WEATHER RADAR, LF RADIO NOISE, AND SPACE TRACKING - SOUTH AFRICA
CSIR-T-26 N63-15368 12-08

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, NEW DELHI /INDIA/.
IONOSPHERIC DATA, INDIA, MARCH 1962
RRC-A82 N63-10789 02-12

IONOSPHERIC PREDICTIONS FOR JANUARY AND FEBRUARY 1963 - MAXIMUM USABLE AND CRITICAL FREQUENCIES
RRC-B76 N63-10911 02-12

IONOSPHERIC DATA TABULATIONS, INDIA, APRIL 1962
RRC-A83 N63-13836 09-12

IONOSPHERIC PREDICTIONS FOR MAY 1963 - INDIA
RRC-B80 N63-13837 09-12

RADIO PROPAGATION AND IONOSPHERIC DATA
RRC-A84 N63-14817 11-12

IONOSPHERIC PREDICTIONS FOR JUNE 1963 - CRITICAL FREQUENCY AND MAXIMUM USABLE FREQUENCY
RRC-B81 N63-14818 11-12

IONOSPHERIC PREDICTION CHARTS
RRC-B84 N63-20204 20-12

COURTNEY AND CO., PHILADELPHIA, PA.
PILOT VISIBILITY - PILOT VISUAL PERCEPTION TASK - VISIBILITY TRAINING EQUIPMENT
NAVTRADEVCEN-783-1 N63-16715 14-14

CRUCIBLE STEEL CO. OF AMERICA, PITTSBURGH, PA.
IMPROVED VANADIUM-BASE ALLOYS FOR ELEVATED TEMPERATURE USE
ASD-TDR-62-667 N63-12286 05-18

CRYOVAC, INC., COLUMBUS, OHIO
LARGE CAPACITY REFRIGERATION SYSTEMS FOR 88- AND

20-DEG K LOADS USING HELIUM AND LIQUID NITROGEN
AEDC-TDR-63-71 N63-14232 10-23

URTISS-WRIGHT CORP., CALDWELL, N.J.
DYNAMIC LOAD PROBLEMS OF PROPELLER DRIVEN V/STOL AIRCRAFT N63-20357 20-04

URTISS-WRIGHT CORP., EAST PATTERSON, N.J.
PROJECTION IATRON APPLICATION TO HIGH SPEED MULTICHANNEL PLOTTER
NAVTRADEVCEN-1188-1 N63-16737 14-09

URTISS-WRIGHT CORP., WOOD-RIDGE, N.J.
POSITIVE DISPLACEMENT INJECTOR FOR ATTITUDE CONTROL OF SPACECRAFT PROPULSION
CTR-00-270 N63-16676 14-27

ADVANCED HEAT TRANSFER ELEMENTS FOR LIQUID METAL REGENERATOR SYSTEMS
CTR.00-272 N63-22832 23-13

EXHAUST NOZZLE NOISE SUPPRESSION PROGRAM FOR SUPERSONIC TRANSPORT PROPULSION SYSTEMS
SO-I-II N63-23763 24-27

ACHIEVING NOISE SUPPRESSION & HIGH THRUST PERFORMANCE WITH PLUG-TYPE EXHAUST NOZZLES FOR SUPERSONIC TRANSPORTS N63-23764 24-27

SUPERSONIC TRANSPORT PROPULSION SYSTEM AUXILIARY POWER EXTRACTION - GAS TURBINES N63-23765 24-27

UTLER-HAMMER, INC., DEER PARK, N.Y.
SELECTIVE MONITORING TECHNIQUES AND MODEL
AMRL-TDR-62-144 N63-12297 05-08

SOLID STATE DEVICES, CIRCUITS
RADC-TDR-62-547 N63-13705 08-09

AIRPORT TERMINALS - AIRCRAFT SERVICING OPERATION, DESIGN, LOADING AND GATE POSITIONS N63-13712 08-10

TOPSIDE SOUNDINGS OF IONOSPHERE
NASA-TN-D-1538 N63-13838 09-12

INTERFERENCE BLABKER GROUP AN/GPX-27 UTILIZING STORAGE-TUBE TECHNIQUE FOR RADIO BEACON VIDEO REPLY
RADC-TDR-62-521 N63-14198 09-08

SOLID STATE CIRCUIT PROGRESS - DESIGN OF APPARATUS, LINE WIDTH AND ANISOTROPY MEASUREMENTS OF SINGLE-CRYSTAL FERRITE
RADC-TDR-63-83 N63-15683 12-09

INTERFERENCE SUPPRESSION IN ELECTRONIC APPARATUS AND CIRCUITS - TRANSISTORS, FERRITE DEVICES, CRYSTAL MIXERS
RADC-TDR-62-221 N63-16330 13-09

RADIO DOPPLER DETECTORS N63-17510 16-09

INTERFERENCE ANALYSIS OF NEW CIRCUIT COMPONENTS - SOLID STATE DEVICES
RADC-TDR-63-252 N63-19664 19-09

PARAMETRIC AMPLIFIER IMPEDANCE TUNING & BENDIX CIRCULATOR PERFORMANCE - SOLID STATE DEVICES
RADC-TDR-63-283 N63-20115 20-09

AIRPORT CAPACITY OPERATIONS RESEARCH - DESIGN OF FUTURE FACILITIES N63-20147 20-10

AIRPORT FACILITY PLANNING FOR AIR TRAFFIC CONTROL N63-20217 20-10

DESIGN OF LARGE, LOW NOISE, GROUND-BASED ANTENNA SYSTEMS
AFCRL-63-190 N63-20499 20-08

MATHEMATICAL MODEL OF AIRPORT DESIGN AND CAPACITY FOR GROUND CONTROL OF AIR TRAFFIC N63-21410 22-10

VIDEO DECODERS FOR USE WITH AIR TRAFFIC CONTROL RADAR BEACON SYSTEMS N63-23518 24-09

CZECHOSLOVAK ACADEMY OF SCIENCES, PRAGUE.
NONLINEAR SYSTEMS, VIBRATION - ABSTRACTS N63-14749 11-33

COLLECTION OF GEOPHYSICAL WORKS, 1961 - ANOMALY, GRAVITATIONAL EFFECT, SEISMIC WAVE SHOCK, NOMOGRAM, ROCK STUDIES N63-18752 17-12

GRAVITATIONAL EFFECTS OF TWO-DIMENSIONAL AND THREE-DIMENSIONAL BODIES BOUNDED BY PLANES OF SECOND ORDER - NOMOGRAMS N63-18753 17-12

MATHEMATICAL MODELS FOR INTERPRETING GRAVITATIONAL ANOMALIES - GRAVIMETRIC PAPERS, NOMOGRAMS N63-18754 17-12

GRAVITATIONAL INTERPOLATIVE ERRORS OF BOUGUEROVYCH ANOMALY IN CZECHOSLOVAKIA - ERROR ANALYSIS N63-18755 17-12

TOPOGRAPHIC-ISOSTATIC CORRECTION FOR ZONES 18-1 IN CZECHOSLOVAKIA - ERROR ANALYSIS N63-18756 17-12

PUNCH CARD SYSTEM FOR INTERPRETING GRAVIMETRIC OBSERVATIONS - GRAVITATIONAL EFFECTS - DATA ANALYSIS N63-18757 17-12

REFLECTION OF IMPULSIVE SPHERICAL WAVE AT PLANE INTERFACE BETWEEN TWO LIQUID ELASTIC MEDIA - SEISMIC WAVES N63-18758 17-12

CONTINENTAL WAVES IN CENTRAL EUROPE - SEISMIC WAVE PROPAGATION N63-18759 17-12

ELECTRONIC APPARATUS FOR PRECISE MEASUREMENT OF ELASTIC PARAMETER OF ROCKS - SEISMIC WAVES - KINEMATICS AND DYNAMICS N63-18760 17-12

PIEZOPHOTOGRAPHY FOR MEASURING AMPLITUDE OF PRESSURE WAVES N63-18761 17-12

VIBRATION MEASURING APPARATUS FOR MEASURING INTENSITY OF SEISMIC WAVE SHOCKS AS FUNCTION OF MAGNITUDE N63-18762 17-12

SEISMIC EFFECTS OF SMALL EXPLOSIONS ON BRICK BUILDING - SEISMIC WAVE SHOCK N63-18763 17-12

PALAEOMAGNETIC CHARACTERISTICS OF ROCKS OF PRECAMBRIAN AND PALAEOZOIC AGES IN CZECHOSLOVAKIA AND STABILITY OF GEOMAGNETIC FIELDS N63-18764 17-12

INSTRUMENTATION FOR ANALYSIS OF DIRECTION OF GEOPHYSICAL ISOGRAMS N63-18765 17-12

GEOELECTRIC ANOMALIES OF RESISTANCE GENERATED BY SPHERICAL BODY IN INFINITE HALF SPACE - SOLUTION OF GEOELECTRIC RESISTANCE BOUNDARY VALUE N63-18766 17-12

BUDKOV EARTH CURRENT OBSERVATORY IN CZECHOSLOVAKIA N63-18767 17-12

MEASUREMENT OF GIANT SULFATE CONDENSATION NUCLEI AT LOW ALTITUDES N63-18768 17-21

TABULATED GEOMAGNETIC MEASUREMENTS AT HURBANOVO, CZECHOSLOVAKIA, 1955-1959 N63-19646 19-12

ATLAS OF STARS FROM 30 DEGREES NORTH TO POLE - MAP OF STELLAR FIELD N63-22383 23-05

CZECHOSLOVAK ACADEMY OF SCIENCES, ONDREJOV.
METEOR SPECTRA - WAVELENGTH - PHOTOGRAPHS N63-16643 14-05

SPECTRAL ANALYSIS OF METEORS WITH LOW DISPERSION N63-16644 14-05

PHOTOGRAPHIC TRACKING OF METEORITE TRAJECTORIES N63-16649 14-05

METEOR TRAJECTORIES IN ATMOSPHERE N63-16658 14-29

LIFE IN UNIVERSE AND DEPENDENCE ON ENERGY FROM

THERMONUCLEAR REACTIONS OF STARS
N63-18920 18-16

CZESTOCHOWSKA TECHNICAL U. /POLAND/.
SATELLITE PLANISPHERE N63-15210 11-32

D

DANIEL, MANN, JOHNSON AND MENDENHALL AND ASSOCIATES, LOS ANGELES, CALIF.
DESIGN OF WHITE SANDS MISSILE RANGE DATA SYSTEM
SDR-62-1 N63-10076 01-20

DARTMOUTH COLL., HANOVER, N.H.
AUXIN TRANSPORT IN PLANT PHYSIOLOGY & METABOLISM - ENZYMATIC PROCESS OF EPINASTY
N63-21644 22-16

PLASMA PROPERTIES IN REGION NEAR CYLINDRICAL COLD ANODE SURROUNDING HELIUM ARC PLASMA - ELECTRIC FIELD, CURRENT DENSITY AND TEMPERATURE PROFILE
ARL-63-166 N63-22146 22-24

HEAT TRANSFER, FLOW, AND ELECTRICAL PHENOMENA IN GAS SHEATH ON COOLED ANODES N63-23472 24-24

DAVID SARNOFF RESEARCH CENTER, PRINCETON, N.J.
HIGH TEMPERATURE SEMICONDUCTOR COMPOSED OF GALLIUM ARSENIDE AND GALLIUM PHOSPHIDE
AFCRL-62-944 N63-13210 07-25

CARRIER INJECTION ELECTROLUMINESCENCE IN CRYSTAL GROWTH AND WIDE-GAP SEMICONDUCTORS
AFCRL-63-62 N63-14869 11-25

DAVID TAYLOR MODEL BASIN, WASHINGTON, D.C.
HOVER PERFORMANCE OF A RAM-WING GROUND EFFECT MACHINE
DTMB-AERO-1015 N63-10285 01-04

THRUST DEDUCTION DUE TO A PROPELLER BEHIND A HYDROFOIL
DTMB-1603 N63-10597 02-11

RESEARCH SURVEY ON THE STABILITY OF SHELL STRUCTURES UNDER HYDROSTATIC LOADING - BOUNDARY CONDITIONS AND SMALL DEFLECTION THEORY
N63-10847 02-33

WIND TUNNEL INVESTIGATION OF JET BLOWING OVER A WINGLESS MISSILE BODY AT MACH 2.16, 2.48, AND 2.85
DTMB-AERO-1040 N63-11427 03-02

HOVERING & WIND TUNNEL TESTS OF POWERED ANNULAR JET - GROUND EFFECTS MACHINE DTMB-430
DTMB-1679 N63-11625 04-02

TETHERED TESTS AND LOW-SPEED FREE FLIGHT TESTS OF GROUND EFFECT MACHINE DTMB-III
DTMB-R-1700 N63-12471 06-04

THERMAL ENERGY TRANSPORT CODE-TET
DTMB-1613 N63-12637 06-20

WIND TUNNEL STUDY OF WING-TIP BLOWING TO REDUCE DRAG FOR TAKEOFF AND LANDING
DTMB-AERO-1043 N63-12720 06-03

COMPARISON OF RESPONSES OF MEN AND DUMMIES TO SHIP SHOCK MOTIONS N63-12864 07-16

FORCES ON SUPERCAVITATING HYDROFOILS WITH INTERNAL VENTILATION
DTMB-1676 N63-13376 08-11

NOZZLE WIDTH AND HOVERING STABILITY OF GROUND EFFECT MACHINES
DTMB-AERO-1047 N63-13703 08-04

ELASTIC LOBAR BUCKLING OF RING-SUPPORTED CYLINDRICAL SHELLS UNDER HYDROSTATIC PRESSURE
DTMB-1614 N63-14747 11-33

EFFECT OF AXIAL POSITION OF PROPELLER ON PROPULSION CHARACTERISTICS OF SUBMERGED BODY OF REVOLUTION
DTMB-1456 N63-15923 13-27

HYDROMECHANICS RESEARCH FACILITIES AT DAVID TAYLOR MODEL BASIN
DTMB-1690 N63-17751 16-10

EFFECT OF INTAKE AREA, PLANFORM LOADING & HOVER HEIGHT ON DISCHARGE COEFFICIENT OF TWO-DIMENSIONAL PLENUM-CHAMBER GROUND EFFECT MACHINE
DTMB-AERO-1052 N63-18327 17-04

SUPERSONIC WIND TUNNEL STABILITY TESTS OF WINGLESS MISSILE WITH SIDE JET WINGS
DTMB-AERO-1055 N63-19882 19-03

GROUND EFFECT WIND TUNNEL TEST OF LOW ASPECT RATIO AIRFOIL
DTMB-AERO-1056 N63-19883 19-03

HYDROELASTIC INSTABILITY OF THREE-DIMENSIONAL HYDROFOIL N63-21247 21-02

WIND TUNNEL TEST OF AERODYNAMICALLY CONTROLLED TILTING-WING VERTICAL TAKEOFF AND LANDING AIRCRAFT
DTMB-AERO-1057 N63-22769 23-03

LONGITUDINAL AERODYNAMIC & HEAT TRANSFER CHARACTERISTICS OF A HEMISPHERE-CYLINDER MISSILE CONFIGURATION WITH AN AERODYNAMIC SPIKE
DTMB-AERO-1061 N63-22770 23-13

PRELIMINARY ANALYSIS OF HOVERING AND CRUISING PERFORMANCE FOR TRIDENT VTOL AIRCRAFT CONCEPT
DTMB-AERO-1058 N63-23135 24-04

DAYTON U., OHIO.
HUMAN PERFORMANCE IN WEIGHTLESS CONDITIONS - SELF-ROTATION TECHNIQUES
AMRL-TDR-62-129 N63-14896 11-29

MOTION CHARACTERISTICS OF TETHERED WEIGHTLESS OPERATORS
AMRL-MEMO-P-3 N63-19092 18-14

BALLISTIC- & LIQUID-DRIVEN PISTON COMPRESSORS FOR PRODUCTION OF HIGH TEMPERATURE & HIGH DENSITY GAS
ARL-63-167 N63-22339 23-11

DEBELL AND RICHARDSON, INC., HAZARDVILLE, CONN.
HEXAGONAL GLASS RODS FOR FILAMENT WINDING
N63-17997 16-19

DEFENCE RESEARCH BOARD, OTTAWA /CANADA/.
JET STREAM CLOUDS WHICH CAN CAUSE AIRCRAFT ICING
T-386-R N63-18843 18-21

DEFENCE RESEARCH CHEMICAL LABS., OTTAWA /CANADA/.
REVIEW OF LEAD ACID, NICKEL-CADMIUM, AND ZINC-SILVER OXIDE SECONDARY BATTERIES - OPERATION, MAINTENANCE AND DESIGN N63-14155 09-06

SHIELDING OF GAMMA RADIATION BY DUCTS
AD-282393DRCL-370 N63-15758 12-10

DEFENCE RESEARCH MEDICAL LABS., TORONTO /CANADA/.
ETIOLOGY OF MOTION SICKNESS N63-19830 19-16

DEFENCE RESEARCH TELECOMMUNICATIONS ESTABLISHMENT, OTTAWA /CANADA/.
TOPSIDE SOUNDING OF IONOSPHERE BY ALOUETTE SATELLITE S-27 N63-23415 24-12

DEFENCE STANDARDS LABS., MARIBYRNONG /AUSTRALIA/.
FUNGUS GROWTHS IN AVIATION FUEL SYSTEMS - TEST METHODS N63-12660 06-16

DEFENSE ACADEMY, YOKOSUKA /JAPAN.
RAREFIED GAS DYNAMICS - HEAT TRANSFER FROM SPHERE FOR ENTIRE RANGE OF KNUDSEN NUMBER BASED ON BOLTZMANN EQUATION N63-21593 22-13

DEFENSE DEPT., WASHINGTON, D.C.
STARFISH PROJECT - NUCLEAR EXPLOSION - ARTIFICIAL RADIATION BELT N63-15360 12-28

SYMPOSIUM ON SHOCK, VIBRATION, AND ASSOCIATED ENVIRONMENTS N63-16076 13-33

SHOCK, VIBRATION, AND ASSOCIATED ENVIRONMENTS AND ENVIRONMENTAL TESTS OF STRUCTURES
N63-16750 14-01

RELIABILITY TESTING AND CONSIDERATIONS IN DESIGN OF MISSILE SYSTEMS AND SPACE PROJECTS - MISSILE & SPACE RELIABILITY SYMPOSIUM, 1962
NASA-CR-50104 N63-17266 15-01

NEEDS IN RELIABILITY RESEARCH
N63-17271 15-17

ARTIFICIAL RADIATION BELT FORMED BY TRAPPED ELECTRON PARTICLES FROM STARFISH HIGH ALTITUDE NUCLEAR EXPLOSION
NASA-TM-X-50195 N63-18859 18-12

OPERATIONAL SUPPORT FROM DEPARTMENT OF DEFENSE FOR MERCURY PROJECT N63-21960 22-01

RELIABILITY CONTROL IN SPACE PROGRAMS
N63-23242 24-29

EFENSE DOCUMENTATION CENTER, ALEXANDRIA, VA.
PLASMA PHYSICS AND MAGNETOHYDRODYNAMICS - BIBLIOGRAPHY
AD-271170 N63-10724 02-24

SCIENTIFIC SATELLITES - BIBLIOGRAPHY - INSTRUMENTATION, METEOROLOGICAL SATELLITES, AND PROPERTIES OF THE IONOSPHERE
AD-290800 N63-16247 13-32

BIBLIOGRAPHY OF SPACE RENDEZVOUS - RESCUE AND RECOVERY
AD-410085 N63-22857 23-32

ELAWARE U., NEWARK.
FLOW MEASUREMENT OF TRANSPORT PROPERTIES AT FLAME TEMPERATURE - RADIOACTIVE TRACER
DEL-13-P N63-17524 16-11

ENVER RESEARCH INST., COLO.
EFFECT OF RARE-EARTH SCAVENGERS ON PROPERTIES OF TUNGSTEN AND MOLYBDENUM
DRI-2068 N63-10289 01-18

EFFECTS OF MINOR ADDITIONS OF YTTRIUM TO MOLYBDENUM N63-11887 04-18

RADIATION ENERGY TRANSFER MECHANISMS OF CHEMICAL SYSTEMS - CYCLOHEXANE
TCREC-TR-62-90 N63-14532 10-23

ALLOYS OF RARE EARTH METALS - VAPOR PRESSURE, THERMODYNAMICS, METALLURGY, AND X-RAY DIFFRACTION OF PRASEODYMIUM, NEODYMIUM, AND SAMARIUM
ARL-63-15 N63-15549 12-18

BALLOON FLIGHT DATA ON VARIATION OF INFRARED SOLAR SPECTRUM WITH ALTITUDE
AFCRL-490 N63-20835 21-29

THERMODYNAMIC PROPERTIES OF INTERMETALLIC SEMICONDUCTOR COMPOUNDS & KNUDSEN EFFUSION STUDIES
AFCRL-63-156 N63-22957 23-09

NVER U., COLO.
IONIZATION OF NITROGEN AND OXYGEN MOLECULES BY BEAMS - ELECTRON IMPACT IONIZATION AND CHARGE TRANSFER NEUTRALIZATION N63-13594 08-23

ATMOSPHERIC RADIATION - INFRARED BACKGROUND RADIATION FROM THE EARTH AT HIGH ALTITUDES - BALLOON FLIGHT RADIOMETERS N63-18480 17-15

ABSOLUTE CALIBRATION OF A SPECTRAL RADIOMETER
AFCRL-63-602 N63-22763 23-15

TROIT ARSENAL, CENTER LINE, MICH.
INSTRUMENTATION AND ITS ROLE IN DEVELOPMENT OF NEW VEHICLES - VIBRATION N63-16089 13-15

DYNAMIC SIMULATION STUDIES OF SHOCK AND VIBRATION EFFECTS ON SURFACE VEHICLES - STRUCTURAL RESPONSE TO IMPACT FORCES N63-16608 14-33

TROIT U., MICH.
METHODS OF PORPHINE SYNTHESIS DURING CHEMICAL EVOLUTION OF EARTH
NASA-CR-50200 N63-17215 15-07

DEUTSCHE BUNDESPOST, BREISACH /W. GERMANY/.
SOLAR AND LUNAR TIDES IN THE DRIFT OF THE E-REGION
AFCRL-62-1031 N63-10118 01-29

IONIZATION IN F2 LAYER OF IONOSPHERE
N63-17750 16-12

DEUTSCHE FORSCHUNGSANSTALT FUR HUBSCHRAUBER UND VERTIKALFLUGTECHNIK, STUTTGART /W. GERMANY/.
ENDURANCE TESTING OF ROTORS UNDER SIMULATED CONDITIONS N63-20130 20-03

WHIRLING ARM MODEL FOR HELICOPTER ROTOR TESTS
N63-20131 20-03

DEUTSCHE FORSCHUNGSANSTALT FUR LUFTFAHRT, BRUNSWICK /W. GERMANY/.
AERODYNAMIC PROBLEMS AT TAKEOFF AND LANDING - HIGH SPEED AIRPLANES, V/STOL AIRCRAFT, RUNWAYS
DFL-193 N63-14353 10-04

CALCULATIONS ON LOW ASPECT RATIO WINGS WITH LEADING EDGE FLAPS - WITH OR WITHOUT FUSELAGE
DFL-191 N63-14442 10-03

CASCADE FLOW IN CASCADE WIND TUNNEL - AERODYNAMIC COEFFICIENT, TURBULENCE EFFECT ON LOSS COEFFICIENT, SECONDARY FLOW LOSS
DFL-202 N63-15228 11-11

AERODYNAMIC PROBLEMS OF SHORT TAKEOFF AND LANDING OF V/STOL AIRCRAFT
DFL-167 N63-15962 13-04

MOTION CALCULATIONS FOR FLYING BODIES WITH SIMPLE CONTROLS AND DIFFERENT RESTORATION MECHANISMS - STABILITY AND CONTROL N63-20156 20-04

MEASURING HIGH TEMPERATURE GAS FLAMES WITH THERMOELECTRIC ELEMENTS - AIR-BREATHING ENGINES
N63-20181 20-15

ELECTRONIC POSITION INDICATOR OF ROTATING MEASURING PROBE - MEASURING APPARATUS
N63-20184 20-15

ELECTRICAL PRESSURE RECORDER - MEASURING APPARATUS N63-20185 20-15

DATA PROCESSING AT AN ENGINE TEST STATION - MEASURING APPARATUS N63-20186 20-15

TURBOMACHINES - EFFECT OF BLADE PROFILE THICKNESS ON LOSS FACTORS FROM COMPRESSOR CASCADES AT HIGH SUBSONIC SPEEDS - MACH AND REYNOLDS NUMBER EFFECTS
N63-20869 21-02

DEUTSCHE FORSCHUNGSANSTALT FUR LUFT- UND RAUMFAHRT, BRUNSWICK /W. GERMANY/.
EXHAUST-TYPE WINGS AND THEIR APPLICATION IN AIRCRAFT DESIGN
DFL-62/35 N63-10012 01-03

COMBUSTION AND DETONATION IN THE P,W-DIAGRAM - GASDYNAMICS
WGL PAPER-21 N63-10019 01-22

THE DYNAMIC STABILITY OF PARACHUTES
WGL PAPER-25 N63-10023 01-02

MOVIE-THEODOLITE MEASUREMENT OF PARACHUTE TRAJECTORIES
WGL PAPER-26 N63-10024 01-03

JET DEFLECTION FOR THE PURPOSE OF THRUST VECTOR CONTROL IN V/STOL AIRCRAFT
WGL PAPER-29 N63-10027 01-04

FLIGHT MEASUREMENTS IN SMALL ROCKET VEHICLES
WGL PAPER-45 N63-10041 01-15

FREQUENCY MOTION METHODS IN THE SYSTEM THEORY FOR RANDOM MOTION
WGL PAPER-48 N63-10043 01-20

ACOUSTICAL FIELDS NEAR ENGINE JETSTREAMS - LOADING
WGL PAPER-52 N63-10047 01-23

POSTBUCKLING BEHAVIOR OF THIN CYLINDRICAL SHELLS

N63-10822 02-33

DIGITAL INDICATOR FOR REVOLUTIONS PER MINUTE FOR MARBORE II ENGINE
DFL-184 N63-14352 10-20

APPLICATION AND CALIBRATION OF CARRIER FREQUENCY SYSTEMS AND INDUCTIVE MEASURING INSTRUMENTS IN A MULTICHANNEL UNIT
DFL-185 N63-14370 10-27

INFLUENCE OF SLUSH ON THE TAKEOFF RUN OF AN AIRPLANE
DFL-188 N63-14438 10-04

CALCULATIONS ON LIFT GAIN OF AN AIRFOIL WITH SIMULTANEOUS BLOWING ON TRAILING EDGE AND NOSE PROFILE
DFL-189 N63-14439 10-03

AERODYNAMIC PROBLEMS OF HIGH LIFT OF AIRFOILS
DFL-190 N63-14440 10-03

AIR PERMEABILITY AND ELASTIC CHARACTERISTICS OF PARACHUTE FABRICS OF VARIOUS KINDS AND TEXTURES
DFL-159 N63-14531 10-03

NONDESTRUCTIVE TESTING OF GLASS FIBER AND SYNTHETIC RESIN COMPOSITES BY ULTRASONICS
DFL-192 N63-14578 10-19

SURVEY OF CLASSIC RESULTS AND RECENT RESEARCH ON THREE-DIMENSIONAL BOUNDARY LAYER FLOW
DK-532526 N63-14614 10-11

FLIGHT PATH TRACKING EQUIPMENT OF GERMAN AERONAUTICAL RESEARCH INSTITUTE
DFL-169 N63-16300 13-29

DYNAMIC STABILITY OF PERSONNEL GUIDE SURFACE PARACHUTES
DFL-203 N63-16301 13-04

BEHAVIOR OF FIBER GLASS REINFORCED SYNTHETIC RESINS UNDER TORSIONAL STRESS PERPENDICULAR TO LAMINAR PLANE
DFL-204 N63-16420 14-19

APPROXIMATE COMPUTATION OF VELOCITY PROFILE OF COMPRESSIBLE LAMINAR BOUNDARY LAYERS USING TWO-DIMENSIONAL PARAMETERS
DVL-288 N63-19375 18-11

HELICOPTER ROTOR AERODYNAMICS
N63-20160 20-04

GLASS FIBER REINFORCED PLASTIC STRUCTURAL MATERIAL
N63-20163 20-19

ROCKET OPTIMIZATION PROBLEMS - FLIGHT MECHANICS AND FLIGHT REGULATION N63-20227 20-31

FLIGHT MECHANICS AND BALLISTICS - FLIGHT MECHANICS AND FLIGHT REGULATION N63-20228 20-04

STABILITY CHARACTERISTICS WITH OR WITHOUT FLIGHT REGULATORS - LONGITUDINAL MOTION
DFL-210 N63-20261 20-04

WATER COOLED FLOW DIRECTION PROBE FOR COMBUSTION CHAMBERS N63-20811 21-15

TURBOMACHINES - FLOW CALCULATION THROUGH MULTISTAGE TURBINES WITH EMPHASIS ON BLADE DESIGN
N63-20873 21-02

LECTURES ON AERODYNAMICS WITH BIBLIOGRAPHY
DFL-213 N63-20916 21-03

MEASURING EQUIPMENT AND REPRESENTATION OF THRUST-VECTOR FOR JET DEFLECTION MODEL TEST STAND
DFL-207 N63-22249 23-15

DEUTSCHE GESELLSCHAFT FUR LUFT- UND RAUMFAHRT-MEDIZIN, MUNICH /W. GERMANY/.
CONTRIBUTIONS OF SPACE MEDICINE TO OTHER FIELDS OF MEDICINE N63-18941 18-16

DEUTSCHE GESELLSCHAFT FUR RAKETENTECHNIK UND RAUMFAHRT, STUTTGART /W. GERMANY/.
SPACE FLIGHT TECHNOLOGY AND RESEARCH PROJECTS IN THE DEVELOPMENT OF INDUSTRY N63-18924 18-3

DEUTSCHE LUFTHANSA AKTIENGESELLSCHAFT, HAMBURG /W. GERMANY/.
SIGNIFICANT PROBLEMS IN THE INAUGURATION OF SUPERSONIC TRANSPORT AIRCRAFT
WGL PAPER-8 N63-10007 01-0

GERMAN LUFTHANSA PROGRAM ELECTRONIC INSTRUMENTATION MAINTENANCE & REPAIR - SUPPLY AND DEMAND OF SPARE PARTS N63-20480 20-0

DEUTSCHE VERSUCHSANSTALT FUR LUFTFAHRT, AACHEN /W. GERMANY/.
MACH NUMBER MEASUREMENTS IN HIGH VELOCITY WIND TUNNELS N63-20807 21-1

DEUTSCHE VERSUCHSANSTALT FUR LUFTFAHRT, BAD GODESBERG /W. GERMANY/.
BIOLOGICAL PERFORMANCE RESERVE ESTIMATION IN PILOTS
WGL PAPER-63 N63-10058 01-1

PHYSIOLOGICAL HEAT PROBLEMS OF SPACE TRAVEL
WGL PAPER-64 N63-10059 01-1

QUASI-RESERVE AND SUPPLY-FREE BIOLOGICAL SUPPORT SYSTEMS FOR SPACE TRAVELERS
WGL PAPER-65 N63-10060 01-1

PILOT ERROR - REDUCIBLE AIR TRAFFIC RISK
N63-10584 02-1

DEUTSCHE VERSUCHSANSTALT FUR LUFTFAHRT, MULHEIM AN DER RUHR /W. GERMANY/.
PROBLEMS OF FLIGHT CHARACTERISTICS FROM AIRCRAFT DESIGNERS VIEWPOINT - STABILITY AND CONTROL
N63-20843 21-0

HIGH LIFT & HIGH SPEED CHARACTERISTICS OF AIRCRAFT - STABILITY & CONTROL
N63-20846 21-0

AEROELASTIC EFFECTS ON AIRCRAFT - STABILITY AND CONTROL N63-20850 21-0

DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, AACHEN /W. GERMANY/.
SURVEY OF FRICTION CORROSION
WGL PAPER-60 N63-10055 01-1

MEASURING DEVICES FOR INTERMITTENT SUPERSONIC WIND TUNNELS - BALANCES WITH STRAIN GAUGES - PRESSURE GAUGES
DVL-182 N63-14423 10-1

DYNAMICS OF PROPELLER REMOTE DRIVES - BENDING VIBRATIONS, TORSIONAL VIBRATIONS
DVL-197 N63-14662 10-0

GAS DYNAMICS SIMILITUDE LAWS FOR SUBSONIC, SUPER-SONIC, AND HYPERSONIC FLOWS ON BASIS OF INTEGRAL THEOREMS FOR FRICTIONLESS GASES
DVL-240 N63-15193 11-1

PRESSURE DISTRIBUTION CALCULATIONS FOR SYMMETRICAL ROTATING BODIES WITH AXISYMMETRIC SUPERSONIC AND SUBSONIC FLOW USING APPROXIMATION COMPUTATION
DVL-278 N63-17616 16-0

SUPERSONIC WIND TUNNEL PRESSURE MEASUREMENTS
N63-20805 21-1

WIND TUNNEL BALANCE WITH STRAIN GAUGE STRIPS
DVL-261 N63-20953 21-1

DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, BERLIN /W. GERMANY/.
THEORY OF HYDRODYNAMIC STABILITY OF TWO-DIMENSIONAL AND AXISYMMETRIC PARALLEL STREAMS
DVL-190 N63-16145 13-1

TRANSISTORIZED LOW NOISE CONSTANT TEMPERATURE HOT WIRE ANEMOMETER
DVL-282 N63-19373 18-1

ANEMOMETER FOR MEASURING WIND FLUCTUATION CORRELATIONS AT GROUND PROXIMITY
DVL-284 N63-19374 18-15

DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, FREIBURG /W. GERMANY/.
PARAMETER-DEPENDENT PROGRAMMING - COMPUTER METHOD FOR QUADRATIC OBJECTIVE FUNCTION, LINEAR SECONDARY CONDITIONS, AND POLYNOMIAL OF PARAMETERS
DVL-238 N63-16278 13-11

DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, MULHEIM AN DER RUHR /W. GERMANY/.
ROOM FLIGHT MODELS - AERODYNAMICS
WGL PAPER-24 N63-10022 01-02

ELASTIC STABILITY OF THIN-WALLED ORTHOTROPIC CONICAL SHELLS UNDER AXIAL LOAD AND INSIDE PRESSURE
WGL PAPER-34 N63-10030 01-34

STABILITY BEHAVIOR OF THIN-WALLED CONICAL SHELLS UNDER AXIAL LOAD AND INTERNAL PRESSURE
DVL-243 N63-14409 10-02

SUBHARMONIC SOLUTIONS OF NONLINEAR OSCILLATION EQUATIONS
DVL-260 N63-14642 10-20

FLAME PROPAGATION IN LAMINAR AND TURBULENT FLOWS - FLAME PROPAGATION VELOCITY - COMBUSTION ANALYSIS
DVL-226 N63-15072 11-26

LABORATORY PRODUCTION OF ARTIFICIAL FOG AND FOG DISPERSAL INSTALLATION USING ELECTRIC FIELDS
DVL-206 N63-16193 13-11

STRESS TEST OF RELATIONSHIP BETWEEN APNEIC PAUSE IN RESPIRATION & OXYGEN DEFICIENCY
DVL-228 N63-19971 19-16

SOLUTION OF BOUNDARY VALUE PROBLEM OF WAVE EQUATION FOR UNSTEADY SUBSONIC FLOW THROUGH VIBRATING STAGGERED CASCADE
DVL-246 N63-19995 19-11

DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, MUNICH /W. GERMANY/.
EMISSION SPECTRUM ANALYSIS OF COMBUSTION PROCESS IN LIQUID AND GASEOUS FUELS SUCH AS HYDROCARBONS, ALCOHOLS, AND HYDROCARBON MIXTURES
DVL-212 N63-15192 11-26

JET PROPULSION LIQUID FUELS - ANALYSIS OF PROPERTIES AND EFFICIENCIES
DVL-210 N63-16375 14-11

DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN /W. GERMANY/.
STABILITY OF SAMPLING-TYPE CONTROL CIRCUITS
WGL PAPER-38 N63-10034 01-22

NAVIGATION ERRORS OF THE INERTIAL GUIDANCE OF SATELLITE CARRIER ROCKETS
WGL PAPER-39 N63-10035 01-22

GUIDANCE AND CONTROL - BLACK PRINCE PROJECT
WGL PAPER-40 N63-10036 01-30

MEASUREMENT AND PRODUCTION OF A SPACE RADIATION DIAGRAM OF AIRCRAFT ANTENNAS AND THE PROBLEM OF POLARIZATION
WGL PAPER-41 N63-10037 01-08

STATIC BEHAVIOR OF RADAR ECHOES FROM AIRCRAFT
WGL PAPER-42 N63-10038 01-08

CODING METHOD FOR A REPORTING SYSTEM IN SPACE TRAVEL
WGL PAPER-43 N63-10039 01-20

ANALOG COMPUTATION METHODS FOR RAPID PRODUCT AND QUOTIENT PRODUCTION
WGL PAPER-46 N63-10042 01-20

STANDARD DIFFERENTIAL EQUATIONS OF THE FIRST ORDER
DVL-239 N63-14503 10-20

BROADBAND ANTENNAS - RADIO ANTENNAS
DVL-256 N63-14641 10-08

DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, PORZ /W. GERMANY/.
HEATED TWO-CIRCUIT ENGINE
WGL PAPER-50 N63-10045 01-27

MAGNETOHYDRODYNAMIC ENERGY GENERATORS
WGL PAPER-54 N63-10049 01-27

STUDIES ON AN ELECTRODELESS MAGNETOHYDRODYNAMIC ENGINE DESIGN
WGL PAPER-55 N63-10050 01-27

STUDIES CONCERNING TWO ELECTRODELESS MAGNETOHYDRODYNAMIC SYSTEMS
WGL PAPER-56 N63-10051 01-21

FIRST RESULTS WITH SIMULATION CHAMBERS
WGL PAPER-57 N63-10052 01-16

TWO-PHASE DROP VAPORIZATION
WGL PAPER-58 N63-10053 01-22

CHEMICAL AND PHYSICAL BEHAVIOR OF EXTINGUISHING AGENTS, PARTICULARLY THE HALONES
WGL PAPER-59 N63-10054 01-20

ABSORPTION COEFFICIENT AND OPTICAL THICKNESS OF MEDIUMS FOR ENERGY AND HEAT TRANSFER BY RADIATION IN NUCLEAR ROCKET ENGINES N63-18927 18-23

LONGITUDINAL MOTION OF AIRCRAFT AND POSSIBILITY OF REDUCTION IN ACTION - STABILITY AND CONTROL
N63-20157 20-04

ELECTRONIC TORSION DYNAMOMETER USING ZERO-POINT METHOD - MEASURING APPARATUS N63-20187 20-15

MANOMETERS - PRESSURE GAUGES FOR SUBSONIC WIND TUNNELS N63-20804 21-15

HUMAN TOLERANCE TO SHOCK TYPE DECELERATION FORCES - SHOCK TESTING OF SAFETY BELTS FOR AUTOMOBILES AND AIRCRAFT
DVL-266 N63-20914 21-04

MEASURING SYSTEMS, DEFINITIONS & CONVERSION TABLES OF PHYSICS
DVL-264 N63-22762 23-23

DEUTSCHE VERSUCHSANSTALT FUR LUFT- UND RAUMFAHRT, STUTTGART /W. GERMANY/.
ENERGY AND IMPULSE EXCHANGES OF GAS MOLECULES ON SOLID AND LIQUID SURFACES
DVL-251 N63-15813 13-11

ROTATIONAL ANALYSIS OF VISIBLE BROMINE/FLUORINE BANDS AND FORM OF O-PLUS TERMS
DVL-250 N63-15856 13-23

SPECTROSCOPIC DETERMINATION OF DISSOCIATION HEAT OF CARBON-CARBON BONDS
DVL-244 N63-20002 19-23

DEUTSCHER WETTERDIENST, OFFENBACH AM MAIN /W. GERMANY/.
ATMOSPHERIC MODEL OF NONTROPICAL LATITUDES - NULL LAYER, OZONE LAYER, AND WAGNER-LINKE LAYER
N63-18678 17-21

WIND CIRCULATION IN STRATOSPHERE AND TROPOSPHERE
N63-18679 17-21

AIR DENSITY AND MASS DISTRIBUTION IN ATMOSPHERE
N63-18747 17-21

NUMERICAL INSTABILITY OF PRIMITIVE WAVE EQUATIONS DUE TO AMPLIFICATION OF INTERNAL GRAVITY WAVES USING ELIASSEN GRID
AFCRL-63-802 N63-18981 18-21

DIKEWOOD CORP., ALBUQUERQUE, N. MEX.
SURFACE PROPERTIES OF PERTURBED SPHERE DETERMINED BY RADAR RETURN SIGNALS
NASA-CR-51787 N63-22510 23-08

DIRECTORATE OF ADVANCED SYSTEMS PLANNING, AERONAUTICAL SYSTEMS DIV., WRIGHT-PATTERSON AFB, OHIO.
PROBABILITY THEORY APPLIED TO RELIABLE NETWORK DESIGN - REDUNDANT SYSTEMS AND FAILURE MODES - STATISTICS
IM-1062 N63-14851 11-09

ORBITAL MANEUVERS WITH FINITE THRUST ROCKETS
ASD-TDR-62-860 N63-17563 16-20

DIRECTORATE OF AEROMECHANICS, AERONAUTICAL SYSTEMS DIV., WRIGHT-PATTERSON AFB, OHIO.
HYPERVELOCITY REENTRY CONFIGURATIONS - DECELERATOR AIDS N63-23316 24-02

SUPERSONIC SPEED PARACHUTE DECELERATORS
N63-23317 24-03

DIRECTORATE OF ENGINEERING TEST, AERONAUTICAL SYSTEMS DIV., WRIGHT-PATTERSON AFB, OHIO.
SCHLIEREN SENSITIVITY AND QUANTITATIVE MEASUREMENT
ASD-TDR-62-924 N63-13113 07-15

FLIGHT VIBRATION TESTING OF C-130A AIRCRAFT
ASD-TDR-62-267 N63-14993 11-04

FLOW CHARACTERISTICS OVER REARWARD FACING FLAT PLATE WITH BASIC CHANGES IN FLOW FIELD IMPOSED BY GEOMETRIC AND AERODYNAMIC MEANS
ASD-TDR-63-131 N63-16403 14-02

COMBUSTION OF HYDROGEN IN HIGH TEMPERATURE HYPERSONIC FLOW
ASD-TDR-63-196 N63-18061 16-26

GAS DYNAMICS AT HIGH TEMPERATURE AND HYPERSONIC SPEED
ASD-TDR-63-236 N63-18104 16-10

MAXIMUM MODEL SIZE FOR TEST CHAMBER OF HYPERSONIC WIND TUNNEL
ASD-TDR-63-230 N63-18106 16-10

HIGH TEMPERATURE HYPERSONIC GASDYNAMICS FACILITY PERFORMANCE CHARACTERISTICS AT MACH 6 THROUGH 14
ASD-TDR-63-456 N63-18783 18-10

STAGNATION POINT HEAT TRANSFER RATES OF HEMISPHERE CYLINDICAL BODIES
ASD-TDR-63-404 N63-19333 18-13

DIRECTORATE OF MATERIALS AND PROCESSES, AERONAUTICAL SYSTEMS DIV., WRIGHT-PATTERSON AFB, OHIO.
OBSERVATION OF THE MAGNETIC DOMAINS BY MEANS OF THE KERR EFFECT
ASD-TDR-62-683 N63-10150 01-23

HIGH VACUUM APPARATUS AND METHODS USED IN RADIATION-CHEMICAL STUDIES OF ORGANIC COMPOUNDS
ASD-TDR-62-575 N63-10741 02-07

MATERIALS SCIENCE, METALLURGY - LECTURES
ASD-TDR-62-396 N63-10745 02-18

QUENCH HARDENING IN PLATINUM AND GOLD
ASD-TDR-62-329 N63-10756 02-18

THE METEOROID HAZARD AND PROPOSAL FOR ACCELERATING PARTICLES N63-10914 02-30

LUBRICATION IN SPACE ENVIRONMENTS
N63-10929 02-17

AIR FORCE MATERIALS RESEARCH - CERAMICS, GRAPHITE, METALLURGY, LUBRICANTS, FLUIDS, AND FUELS
WADC-TR-53-373, SUPPL. 9 N63-11239 03-01

BORIDE COMPOUNDS - SYNTHESIS, PROPERTIES AND APPLICATIONS - ABSTRACTS
ASD-TDR-62-873 N63-12260 05-07

COMPUTER PROGRAM FOR MATANO ANALYSIS OF BINARY DIFFUSION DATA
ASD-TDR-62-858 N63-12308 05-18

YIELD POINT RETURN AND MODULUS DEFECT RECOVERY IN ARC-CAST AND POWDER-METALLURGICAL MOLYBDENUM
ASD-TDR-62-859 N63-12309 05-18

FATIGUE TESTING OF TURBINE BUCKETS - PART I, METHOD FOR VIBRATION, TEMPERATURE, AND STRESS TESTS N63-13235 07-33

FATIGUE TESTING OF TURBINE BUCKETS - PART 2, TESTS UNDER STATIC AXIAL AND VIBRATIONAL BENDING LOADS
N63-13236 07-33

AGING STUDY OF ALUMINUM ALLOYS BY DYNAMIC MODULUS TECHNIQUES
ASD-TDR-62-829 N63-14058 09-33

STAINLESS STEEL NOTCH STRENGTH AT CRYOGENIC TEMPERATURES - LOAD AND STRESS CONCENTRATION FACTOR - NICKEL ALLOY
ASD-TDR-62-930 N63-16714 14-18

WEATHER EXPOSURE DATA FOR HIGH TEMPERATURE COATINGS ON CHROMIUM HOT-WORK TOOL STEELS
ASD-TDR-62-888 N63-17667 16-18

VAPOR DEPOSITION OF REFRACTORY METAL OXIDES ON GRAPHITE BY PYROLYSIS OF ALKOXIDES
ASD-TDR-63-322 N63-18116 16-07

METALS FOR AEROSPACE USE - INDEX OF RESEARCH PROGRAMS
ASRCE-TM-62-24 N63-21386 22-18

HIGH TEMPERATURE FIBROUS MATERIAL FOR DECELERATORS
N63-23320 24-13

DIRECTORATE OF OPERATIONAL SUPPORT ENGINEERING, AERONAUTICAL SYSTEMS DIV., WRIGHT-PATTERSON AFB, OHIO.
PARACHUTE TECHNOLOGY - REQUIREMENTS AND APPLICATIONS N63-23326 24-02

DIRECTORATE OF RESEARCH ANALYSES, HOLLOMAN AFB, N. MEX.
STAR SIMULATOR FOR REPRODUCTION OF BLACK-BODY RADIATION SPECTRUM
AFOSR/DRA-62-22 N63-11489 03-28

ORBIT TO ORBIT TRANSITION WITH MINIMUM FUEL CONSUMPTION
AFOSR/DRA-62-21 N63-11862 04-20

OPTIMIZING MULTISTAGE ROCKETS FROM ENERGY CONVERSION EFFICIENCY
AFOSR/DRA-62-14 N63-18099 16-31

DODCO INC., BLAWENBURG, N.J.
FLIGHT CONTROL OF HYPERSONIC VEHICLES WITH A TEMPERATURE SENSING LOOP N63-11069 03-30

SYNTHESIS AND OPTIMIZATION OF DOLIAC LOGICAL CONTROL SYSTEM N63-15636 12-09

DOMINION OBSERVATORY, OTTAWA /CANADA/.
METEOR SPECTROPHOTOMETRY - METEOR TRAIL - SPECTRUM AND LUMINOSITY N63-16646 14-05

DORNIER-WERKE G.M.B.H., FRIEDRICHSHAFEN /W. GERMANY/.
SIMULATION OF ENGINE THRUST IN WIND TUNNEL MODEL TESTS - MEASURING APPARATUS N63-20190 20-15

DORNIER-WERKE G.M.B.H., MUNICH /W. GERMANY/.
RAIN EROSION ON SURFACES IN THE SUPERSONIC REGION
WGL PAPER-61 N63-10056 01-17

DOUCETTE /E.I./ ASSOCIATES, INC., CHATHAM, N.J.
QUANTITATIVE STUDY OF THE EVOLUTION OF GASES FROM ELECTRON TUBES AND MATERIALS
AFCRL-62-769 N63-11014 03-09

EVOLUTION OF GAS FROM ELECTRON TUBE STUDIED BY MASS SPECTROMETER
AFCRL-62-923 N63-12986 07-09

ELECTRON TUBE CONSTRUCTION MATERIALS AND GAS EVOLUTION - MASS SPECTROMETRIC ANALYSIS
AFCRL-63-35 N63-16798 14-23

DOUGLAS AIRCRAFT CO., INC., EL SEGUNDO, CALIF.
EFFECTS OF PULSED LIGHTING UPON AIRCRAFT DISPLAYS RELATIVE TO PRESERVATION OF DARK ADAPTATION FOR

NIGHT FLYING
LB-30977 N63-12038 05-14

DOUGLAS AIRCRAFT CO., INC., LONG BEACH, CALIF.
WING AND FUSELAGE CONCEPTS FOR SUPERSONIC AIRCRAFT
DAC-31041 N63-10072 01-34

NAVIGATION OF TURBOJET AIRCRAFT - DATA PROCESSING AND DISPLAY
LB-31183 N63-12798 06-06

CRACK PROPAGATION PREDICTION AND PREVENTION TECHNIQUES FOR STIFFENED CYLINDERS IN SUPERSONIC TRANSPORT ENVIRONMENT
DAC-30932 N63-13829 09-33

LITERATURE SUMMARY OF CRACK PROPAGATION FOR STIFFENED CYLINDERS IN SUPERSONIC TRANSPORT
DAC-31150 N63-13924 09-33

CRACK PROPAGATION PREDICTION AND CRACK STOPPER TECHNIQUES FOR STIFFENED CYLINDERS IN A SUPERSONIC TRANSPORT ENVIRONMENT
DAC-31044 N63-13966 09-33

ARMY-NAVY INSTRUMENTATION PROGRAM - FIXED WING RESEARCH PHASE N63-16373 14-15

BOUNDARY-LAYER EQUATIONS FOR COMPRESSIBLE LAMINAR FLOW
LB-31088 N63-19633 19-11

EFFECT OF STATIC FRICTION AND FORCE DISPLACEMENT GRADIENT ON VISUAL TRACKING TASK
LB-31050 N63-19837 19-04

CRACKING AND FRACTURE IN METALS AND ENGINEERING STRUCTURES N63-20096 20-18

ANALYTICAL INVESTIGATION OF AIRCRAFT LOADS INDUCED BY ROUGH TERRAIN LANDINGS
N63-21844 22-04

COMPLEX VEHICLE CONTROL - HUMAN OPERATOR
N63-23251 24-14

DOUGLAS AIRCRAFT CO., INC., SANTA MONICA, CALIF.
DIELECTROPHORETIC PROPELLANT ORIENTATION IN ZERO GRAVITY N63-10381 01-26

SATELLITE INERTIA-WHEEL ATTITUDE CONTROL ON ELLIPTICAL ORBITS N63-10392 01-30

DIGITAL COMPUTER ANALYSIS OF STATICALLY INDETERMINATE STRUCTURES
NASA-TN-D-1666 N63-10801 02-33

DESIGN RELATED SHELL INSTABILITY
N63-10805 02-34

STABILITY OF HONEYCOMB SANDWICH CYLINDERS UNDER AXIAL COMPRESSION N63-10834 02-33

DIGITAL METHOD FOR ANALYSIS OF LARGE DEFLECTIONS AND STABILITY OF COMPLEX STRUCTURES
N63-10860 02-33

MATERIALS THERMAL PROPERTIES AND ENVIRONMENTAL THERMAL SIMULATION SUPPORTING FACILITIES FOR MISSILES AND SPACE VEHICLES N63-10913 02-13

LIGHTWEIGHT ROCKET MOTOR CASE SEGMENTS - RESEARCH AND DEVELOPMENT PROGRAM
SM-42097 N63-11170 03-27

SEGMENTED ROCKET MOTOR CASE - STRESSES IN LAP JOINTS - COMPUTER PROGRAM
SM-42516 N63-11171 03-27

BIBLIOGRAPHY OF LUNAR GEOLOGY
SM-42582 N63-12728 06-29

SEGMENTED ROCKET MOTOR CASE FOR 160-240 INCH SOLID PROPELLANT ROCKET ENGINE
SM-42911 N63-12938 07-17

NONEQUILIBRIUM CENTERED EXPANSION OF DISSOCIATED SUPERSONIC GAS FLOW
SM-42492 N63-13001 07-11

HEAT TRANSFER AND PRESSURE DISTRIBUTION IN SHOCK WAVE TURBULENT BOUNDARY LAYER INTERACTION REGIONS
SM-42567 N63-13002 07-02

MIXED FLOW AND DIRECT BLUNT BODY INTEGRAL METHOD
SM-42603 N63-13003 07-02

PRESSURE DISTRIBUTION ON IMPULSIVELY ACCELERATED SUPERSONIC WEDGE AS INSIGHT TO FLOW FIELDS OF MISSILE AND SPACECRAFT FLIGHT
SM-42649 N63-13004 07-02

STRESS ANALYSIS OF SANDWICH PLATES AND SHELLS - ATTACHMENTS, DESIGN APPLICATION, FABRICATION, MECHANICAL PROPERTIES, TESTING - BIBLIOGRAPHY
SM-42883 N63-13669 08-33

RESEARCH AND DEVELOPMENT IN FLUID MECHANICS AND SIMULATION TECHNIQUES RELATED TO AERODYNAMIC AIRCRAFT
SM-41379 N63-15601 12-10

BOUNDARY LAYER TRANSITION OF CONICAL BODIES IN HYPERSONIC AIRSTREAM - SHADOWGRAPHY AND CHINA CLAY TECHNIQUES APPLIED IN HYPERSONIC WIND TUNNEL
SM-41379-1 N63-15602 12-11

HEAT TRANSFER & PRESSURE DISTRIBUTION ON HYPER-VELOCITY BALLISTIC VEHICLE - DATA RELATED TO TURBULENT BOUNDARY LAYER - FLUID MECHANICS
SM-41379-2 N63-15603 12-13

HYPERVELOCITY GAS DYNAMIC STUDIES USING HYPERVELOCITY IMPULSE TURBINE TUNNEL
SM-41379-3 N63-15604 12-26

HYPERVELOCITY STUDIES USING TWO-STAGE GAS GUN AND BALLISTIC RANGE
SM-41379-4 N63-15605 12-10

TRANSONIC FLOW CHARACTERISTIC STUDIES IN TRANSONIC TESTING SECTION OF TRISONIC WIND TUNNEL - FLUID MECHANICS
SM-41379-5 N63-15606 12-10

WIND TUNNEL INVESTIGATION OF PROPOSED ANNULAR STREAM EJECTOR FOR TRISONIC WIND TUNNEL
SM-41379-6 N63-15607 12-10

HYPERSONIC WIND TUNNEL INSTRUMENTATION - LOW PRESSURE, FORCE, TEMPERATURE MEASUREMENT AND SHADOWGRAPHIC VISUALIZATION
SM-41379-7 N63-15608 12-10

FLOW INVESTIGATION IN HYPERSONIC WIND TUNNEL - FLUID MECHANICS
SM-41379-8 N63-15609 12-10

OPTICAL FLOW VISUALIZATION TECHNIQUES FOR HYPERSONIC WIND TUNNEL FOR STUDY OF FLUID MECHANICS
SM-41379-9 N63-15610 12-10

SPACE RADIATION - INTERPLANETARY PLASMA & GALACTIC RADIATION - SOLAR COSMIC RAYS AND GEOMAGNETICALLY TRAPPED PARTICLES N63-16470 14-28

MAINTENANCE & RELIABILITY - PERSONNEL REQUIREMENTS
N63-17277 15-16

REUSABLE MODULE FOR CARGO SPACECRAFT
AIAA PAPER-63-271 N63-17808 16-30

DESIGN AND DEVELOPMENT OF REAL-TIME PSYCO-PHYSIOLOGICAL AND ENVIRONMENTAL MONITORING SYSTEM - CAPABILITY OF OPERATOR TO PERFORM MISSION
N63-18352 17-16

GRAVITY DESIGN REQUIREMENTS FOR SPACE STATIONS AND MANNED SPACECRAFT N63-19492 19-16

DELTA LAUNCH VEHICLES - PROPULSION SYSTEMS, GUIDANCE AND CONTROL SYSTEMS, SEPARATION SYSTEMS, RELIABILITY AND PERFORMANCE
SM-43616 N63-20669 20-31

INVERSE SOLUTION FOR INVISCID IDEAL GAS FLOW FIELDS AROUND BLUNT BODIES IN HYPERSONIC OR

SUPERSONIC FLIGHT
SM-42588 N63-20927 21-11

BIBLIOGRAPHY ON BOUNDARY LAYER TRANSITION
SM-43059 N63-22134 22-11

PHYSICAL PROPERTIES OF MARS
SM-43634 N63-22371 23-29

FATIGUE CRACKING OF METALS ACCELERATED BY PROLONGED EXPOSURE TO HIGH VACUUM
N63-22480 23-18

MERGING OF TWO SHEAR FLOWS WITH DIFFERENT FLUID PROPERTIES
SM-42998 N63-22566 23-11

LONGITUDINAL BENDING OF TRUNCATED CONICAL SHELL SUBJECTED TO EDGE LOADS N63-22617 23-33

ENTRY VEHICLE LANDING FLARE ANALYSIS
SM-42632 N63-22937 23-10

EARTH POTENTIAL FOR TRAJECTORY CALCULATIONS AND ANALYTIC STUDIES
SM-42820 N63-22938 23-22

AIRBORNE INFRARED RADIOMETER TO DETECT WATER VAPOR ON VENUS
SM-42977 N63-22939 23-29

WIND TUNNEL INVESTIGATION OF TURBULENT BOUNDARY LAYER NOISE AS RELATED TO DESIGN CRITERIA FOR HIGH-PERFORMANCE VEHICLES
NASA-CR-51730 N63-23033 24-02

PROJECT APEQS-SOLAR CORONA & CHROMOSPHERE DURING SOLAR ECLIPSE
SM-41833 N63-23182 24-04

ON BOARD PROPULSION SYSTEMS DESIGN FOR MANNED SPACECRAFT N63-23212 24-27

LUNAR TEMPERATURES, SURFACE RADIOACTIVITY, AND SOIL MECHANICS
SM-43544 N63-23341 24-29

EFFECT OF VISCOSITY IN MAGNETOHYDRODYNAMIC GENERATOR LOSSES - VISCOUS AND REVERSE CURRENT LOSSES N63-23401 24-24

CORPUSCULAR RADIATION PRODUCED CRYSTALLINE DAMAGE AT LUNAR SURFACE N63-23402 24-28

ORBITAL ENERGY & TRANSITION MOMENTS FOR ABSORPTION SPECTRA OF NAPHTHALENE WITH NEGATIVE & POSITIVE IONS N63-23403 24-23

CRACK PROPAGATION IN METAL FATIGUE
GALCIT-SM-63-15 N63-23813 24-18

DOW CHEMICAL CO., DENVER, COLO.
FOURIER ANALYSIS COMPUTER PROGRAM FOR X-RAY DATA
RFP-297 N63-13026 07-20

CORROSION OF 304 STAINLESS STEEL CONTAINING ONE PERCENT BORON
RFP-307 N63-19515 19-18

FORTRAN COMPUTER PROGRAM FOR CALCULATION OF CRYSTALLOGRAPHIC D-SPACINGS AND BRAGG ANGLES
RFP-326 N63-22276 23-23

DOW CHEMICAL CO., MIDLAND, MICH.
FLUORINE-CONTAINING 1,2-EPOXIDES FOR THERMALLY STABLE ELASTOMERS N63-13240 07-07

DRESSER INDUSTRIES, INC., TULSA, OKLA.
SEDIMENT DENSITY METER USING SCATTERED GAMMA RAYS
TID-18124 N63-14211 09-15

DREXEL INST. OF TECH., PHILADELPHIA, PA.
BREAK-UP OF SHAPED CHARGE JETS
DIT-125-4 N63-17099 15-11

PARAMETRIC STUDY OF HYPERVELOCITY PERFORATION OF THIN PLATES - VISCOPLASTIC FLOW MODEL
DIT-125-3 N63-17726 16-20

DU PONT DE NEMOURS /E. I./ AND CO., AIKEN, S.C.
TRITIUM DETERMINATION - PHYSICAL AND RADIOMETRIC METHODS
DP-511 N63-11236 03-07

CONTAMINATION & DECONTAMINATION OF WATER-COOLED, LOW TEMPERATURE REACTORS - DEPOSITION OF RADIO-NUCLIDES ON ALUMINUM
DP-788 N63-11816 04-23

PROCESSING OF POWER REACTOR FUELS
DP-811 N63-11818 04-23

FORTRAN COMPUTATION OF REACTOR FLUX SHAPES IN ONE DIMENSION
DP-804 N63-12713 06-20

SCINTILLATION COUNTER WITH GAS MULTIPLICATION
DP-800 N63-12937 07-15

RESONANCE INTEGRALS AND SELF-SHIELDING FACTORS FOR DETECTOR FOILS USED IN REACTOR PHYSICS MEASUREMENT
DP-817 N63-13977 09-23

HYDROGEN ISOTOPE SEPARATION IN LOW TEMPERATURE DISTILLATION APPARATUS
DP-732 N63-14281 10-07

PERMEABILITY CELL AND IONIZATION CHAMBER FOR MEASURING PERMEATION OF PLASTIC FILMS BY WATER VAPOR
DP-792 N63-15374 12-15

AUTOMATIC CRANE CUT-OFF PREVENTING OVERLOADING
DP-820 N63-15409 12-17

DIFFUSION OF LITHIUM IN ALUMINUM
DP-813 N63-15556 12-18

GAS SAMPLER FOR USE WITH IRRADIATED NUCLEAR REACTOR FUEL ELEMENT OF URANIUM OXIDE
DP-814 N63-15557 12-15

ELECTROCHEMICAL RECOVERY /ELECTROWINNING/ OF MOLTEN CERIUM METAL FROM MOLTEN FLUORIDE ELECTROLYTES
DP-802 N63-19282 18-18

AUTOMATIC SAMPLING DEVICE FOR COUNTING REACTOR IRRADIATED FOILS
DP-821 N63-19634 19-09

RADIOCHEMISTRY - BIOASSAY & CHEMICAL ANALYSIS
DP-831 N63-19722 19-07

CONTROLLED POTENTIAL COULOMETER WITH TRANSISTORIZED POWER AMPLIFIERS FOR CHEMICAL ANALYSIS
DP-798 N63-20396 20-09

FORTRAN COMPUTER PROGRAM FOR PROCESSING ALPHANUMERIC DATA
DP-822 N63-21037 21-20

VORTEX TUBE FOR COOLING WEARERS OF INDUSTRIAL PROTECTIVE CLOTHING
DP-861 N63-23117 24-16

DU PONT DE NEMOURS /E. I./ AND CO., BALTIMORE, MD.
NIOBIUM AND NIOBIUM ALLOY EXTRUSION - TUBING
SN-91657 N63-21424 22-18

DU PONT DE NEMOURS /E. I./ AND CO., WILMINGTON, DEL.
DEUTERIUM OXIDE MODERATED POWER REACTORS
DP-795 N63-11817 04-23

EFFECT OF ANTIKNOCK COMPOUNDS ON COMBUSTION PROCESSES AND FLAME PROPAGATION IN SPARK IGNITION INTERNAL COMBUSTION ENGINE N63-18598 17-26

SPACE ENVIRONMENT EFFECTS ON INSULATING PROPERTIES OF TEFLON RESINS N63-20171 20-19

SPRAYING APPARATUS FOR RIGID POLYURETHANE FOAM
N63-20318 20-19

THERMOELECTRIC PROPERTIES OF SELENIDES AND TELLURIDES OF 5B AND 6B METALS AND THEIR SOLID

SOLUTIONS N63-23496 24-19

POLYMERIZATION OF CONJUGATED TRIENES N63-23498 24-07

POST-MODIFICATION OF CONJUGATED TRIENE POLYMERS VIA DIELS-ALDER CONDENSATION USING DIENOPHILIC AGENTS N63-23500 24-19

DUDLEY OBSERVATORY, ALBANY, N.Y.
MICROMETEORITE STUDY FROM VENUS FLYTRAP COLLECTOR ROCKET N63-15505 12-29

MICROMETEORITE PARTICLES FROM SOUNDING ROCKET N63-16637 14-29

MICROMETEORITE PARTICLES FROM SOUNDING ROCKET AND ELECTRON MICROSCOPY N63-16638 14-29

MICROMETEORITE PARTICLES FROM SOUNDING ROCKET - PARTICLE SIZE AND FLUX N63-16639 14-29

IMAGE ORTHICON PHOTOGRAPHS OF METEORS N63-16654 14-05

DUKE U., DURHAM, N.C.
SPECIFIC HEAT OF ALUMINUM NEAR ITS SUPERCONDUCTIVE TRANSITION POINT N63-11309 03-18

REACTIONS OF ORGANOMETALLIC COMPOUNDS AND CYCLIZATIONS
AROD-1443-55 N63-12217 05-07

VACUUM-AIR MISSILE BOOST CONCEPT - ESTIMATION OF TERMINAL VELOCITY IMPARTED TO PROJECTILE IN LAUNCH TUBE
AROD-N-62.4 N63-14611 10-31

SPIN WAVE SPECTRA OF YTTRIUM- AND GADOLINIUM-IRON GARNET N63-15786 13-23

CARDIOPULMONARY RESPONSES TO HYPOTHERMIA AND OTHER ENVIRONMENTAL STRESSES - RESPIRATION
AMRL-TDR-63-19 N63-16557 14-16

HYPOTHERMIA INDUCED BY PUMPING OXYGEN REGULATED BLOOD THROUGH HEAT EXCHANGER
AAL-TDR-62-30 N63-17650 16-16

DIRECT CURRENT SILICON CONTROLLED RECTIFIER CONVERTER USING NONLINEAR TRANSFORMER
NASA-CR-50556 N63-18350 17-09

DEEP HYPOTHERMIA IN RATS - STUDIES ON SURVIVAL AND TOLERANCE TO CIRCULATORY ARREST
AAL-TDR-62-43 N63-18978 18-16

PHYSICAL PROPERTIES OF CERTAIN MAGNETIC COMPOUNDS AT VERY LOW TEMPERATURES
AROD-2558-7 N63-19976 19-23

STATIC DC TO SINUSOIDAL AC CONVERSION
NASA-CR-50938 N63-21048 21-09

ANALOG SIMULATION OF SATELLITE POWER SYSTEMS - SYSTEM PROTECTION
NASA-CR-50940 N63-21072 21-06

TRANSISTORIZED CONVERTER FOR VERY LOW INPUT VOLTAGES - EFFICIENCY AND DESIGN
NASA-CR-50936 N63-21309 21-09

CIRCUITS USING SELF-OSCILLATING INVERTERS - MAGNETIC-COUPLED MULTIVIBRATORS
NASA-CR-50939 N63-22246 23-09

MATRIX DETERMINATION OF GENERATORS OF SEMI-SIMPLE LIE GROUPS N63-23752 24-23

DUNLAP AND ASSOCIATES, INC., SANTA MONICA, CALIF.
PILOT INFORMATION REQUIREMENT IN FLIGHT - AIRCRAFT CONTROL N63-15382 12-14

DUNLAP AND ASSOCIATES, INC., STAMFORD, CONN.
SENSORY ALTERNATION & HUMAN PERFORMANCE IN VISUAL PERCEPTION AND AUDITORY DETECTION TASKS
ESD-TDR-63-605 N63-21453 22-16

INFORMATION NECESSARY FOR EFFICIENT OPERATION OF MODERN WEAPON SYSTEMS AND OPERATOR PERFORMANCE
AMRL-TDR-62-115/II/ N63-22596 23-08

MANUAL CONTROL - TRANSMISSION OF INFORMATION BETWEEN MAN AND CONTROL SYSTEM N63-23255 24-14

DURHAM U. /GT. BRIT./
MUON FLUX AT SEA LEVEL - INTENSITY AND MOMENTUM CORRELATIVE TO METEOROLOGICAL PARAMETER VARIATIONS
AFCRL-63-401 N63-15890 13-28

LOW ELECTRIC FIELD STRENGTH AT SURFACE OF VEHICLE IN UPPER ATMOSPHERE
AFCRL-63-236 N63-21436 22-13

DYNAMIC DEVICES, INC., DAYTON, OHIO.
AEROELASTICITY - SCALE MODEL CONSTRUCTION FOR FLUTTER TESTS N63-17822 16-33

AEROELASTICITY - WIND TUNNEL TEST METHODS FOR SCALE MODEL FLUTTER N63-17823 16-33

DYNAMIC SCIENCE CORP., SOUTH PASADENA, CALIF.
PROBLEM OF VESTIBULAR DISTURBANCES PRODUCED IN A ROTATING ENVIRONMENT N63-10396 01-16

PARTICLE PRODUCTION OF BORON NITRIDE AS A GREASE THICKENER N63-17842 16-07

DYNATECH CORP., CAMBRIDGE, MASS.
DIELECTROPHORETIC DEVICE TO CONVERT LIQUID OXYGEN TO GASEOUS OXYGEN FOR LIFE SUPPORT SYSTEMS IN WEIGHTLESS CONDITION
AMRL-TDR-63-42 N63-19467 19-15

OXIDES FOR HIGH TEMPERATURE CHEMICAL SEPARATION OF OXYGEN & NITROGEN N63-21803 22-07

E

EAGLE-PICHER CO., CINCINNATI, OHIO.
ZINC-SILVER OXIDE BATTERIES TESTED FOR AEROSPACE APPLICATIONS N63-14160 09-06

LIQUID AMMONIA ELECTROLYTE BATTERY SYSTEMS, DESIGN AND CONSTRUCTION - AUTOMATIC ACTIVATION UNIT N63-14164 09-06

EAGLE-PICHER CO., JOPLIN, MO.
CADMIUM-SILVER OXIDE SYSTEM FOR BATTERIES
ARS PAPER-2564-62 N63-10271 01-06

EASTMAN KODAK CO., ROCHESTER, N.Y.
INSPECTION OF SOLDERED ELECTRICAL JOINTS
EK/ARD-ED-866 N63-11799 04-17

SPACE BACKGROUND EFFECT ON MEASUREMENTS OF INFRARED SPECTRAL REGION
EK/ARD-ED-874 N63-15687 12-28

INFRARED INSPECTION OF BLACKBODY RADIATION
EK/ARD ED-1003 N63-16321 13-29

EBASCO SERVICES, INC., NEW YORK, N.Y.
FAST FLUX LIQUID METAL LOOP IN ADVANCED TEST REACTOR /ATR/
IDO-24041/SUPPL. 1/ N63-19343 18-01

DESIGN CRITERIA FOR THERMAL FLUX LIQUID METAL PACKAGE LOOP IN ADVANCED TEST REACTOR
IDO-24042 N63-22838 23-30

ECOLE NORMALE SUPERIEURE, PARIS /FRANCE/.
DIFFUSION IN SILICON - MICROCALORIMETER DESIGN - DEFECT MOBILITY IN IRRADIATED GERMANIUM
AFCRL-62-788 N63-11354 03-22

RADIATION FIELD, FREQUENCIES, & DIRECTION OF ATMOSPHERIC WHISTLERS
AFCRL-63-362 N63-21683 22-12

EDGERTON, GERMESHAUSEN AND GRIER, INC., BOSTON, MASS.
EXPERIMENTAL RADIATION EFFECT DATA
EGG-B-2462 N63-17768 16-25

PHOTOGRAPHIC MEASUREMENTS OF BANSHEE CHEMICAL EXPLOSIONS

B-2596 N63-22379 23-12

BANSHEE PROJECT PHOTOGRAPHIC MEASUREMENTS
EG&G-B-2602 N63-22630 23-12

EDGERTON, GERMESHAUSEN AND GRIER, INC., SANTA BARBARA, CALIF.
AERIAL RADIOLOGICAL MEASURING SURVEY SYSTEM OVER HIGH-INTENSITY RADIATION FIELD OF SMALL AREA
CEX-62.6.2 N63-18351 17-23

TORY II-C REACTOR - CALIBRATION OF PRESSURE TRANSDUCERS IN RADIATION ENVIRONMENTS
TN-29 N63-19004 18-15

GAMMA RADIATION MEASUREMENT IN CAMDEN-DELAWARE VALLEY AREA
CEX-61.6.3. N63-23751 24-16

EDO CORP., COLLEGE POINT, N.Y.
ACOUSTICAL SPACE-TIME INFORMATION PROCESSING - SONAR
ACR-63 N63-13659 08-20

EIDGENOSSISCHE TECHNISCHE HOCHSCHULE, ZURICH /SWITZERLAND/.
ELECTRONIC SWITCHES WITH COMPLEMENTARY TRANSISTORS - APPLICATION, CIRCUITS, EFFECT OF TEMPERATURE, CHARACTERISTICS N63-15108 11-09

COMPRESSIBLE POTENTIAL FLOW THROUGH THERMAL TURBINE - NEW METHODS OF FLOW CALCULATION N63-15109 11-11

ISOMORPHIC AND MORPHOTROPIC RELATIONSHIPS IN OXIDES OF TITANIUM DIOXIDE TYPE INCLUDING ANATASE AND BROOKITE RUTILES - CRYSTAL STRUCTURE N63-15110 11-07

PHOTOELECTRONIC SCANNING OF CODED ENVELOPES BY CADMIUM SULFIDE PHOTORESISTANCE CELLS FOR SORTING PURPOSES N63-15215 11-18

RHEOLOGICAL BEHAVIOR OF AEROSOL IN WATER - SEDIMENTATION & VISCOSITY STABILIZATION STUDIES N63-15234 11-11

INVESTIGATION OF CONNECTION BETWEEN MASS AND STRENGTH VARIATIONS OF COTTON YARNS N63-15401 12-19

PHYSIOLOGICAL EFFECT OF ANNOYING SOUNDS - ACOUSTICS N63-18239 17-16

HOMOTOPY THEORY IN ABELIAN CATEGORICAL MODULES N63-22859 23-20

EITEL-MCCULLOCH, INC., SAN CARLOS, CALIF.
SURFACE EXPLOSIONS ON SOLIDS BY HIGH-DENSITY ELECTRON BOMBARDMENT
AFCRL-62-904 N63-11173 03-23

ELECTRIC STORAGE BATTERY CO., PHILADELPHIA, PA.
METALLIC ELECTRODES FOR HYDROGEN-OXYGEN FUEL CELLS N63-14127 09-06

ELECTROCHEMICAL SYSTEM - ZINC-SILVER OXIDE NONRESERVE BATTERY N63-14161 09-06

ELECTRO-MECHANICAL RESEARCH, INC., SARASOTA, FLA.
ULTRAVIOLET TARGET RADIOMETER FOR INCORPORATION IN NIKE-JAVELIN ROCKET INSTRUMENT PAYLOAD N63-19763 19-15

ELECTRO-OPTICAL SYSTEMS, INC., PASADENA, CALIF.
SOLAR ENERGY THERMIONIC CONVERSION SYSTEM
ARS PAPER-2499-62 N63-10253 01-06

ELECTRICALLY-REGENERATIVE HYDROGEN-OXYGEN FUEL CELL
ARS PAPER-2563-62 N63-10270 01-06

SOLAR CELL RESISTANT TO RADIATION DAMAGE - SILICON P-N JUNCTION
ARS PAPER-2567-62 N63-10273 01-06

GAS CELL PHASE SHIFTER USED AS OPTICAL SURVEILLANCE DEVICE
EOS-2230-Q-2 N63-10512 01-15

TURBULENT REACTING GASDYNAMICS
EOS-RR-5 N63-10786 02-11

ION PROPULSION - THRUSTOR, ION SOURCES, PROPELLANT CONTROL, POWER CONDITIONING AND PERFORMANCE TESTS
ARS PAPER-2650-62 N63-11264 03-27

GAS DISCHARGE CESIUM ION SOURCE
ARS PAPER-2664-62 N63-11268 03-27

RADIATION RESISTANT SOLAR CELLS
EOS-2080-ML-9 N63-11334 03-25

COHERENT OPTICAL SURVEILLANCE DEVICES
EOS-2230-Q-3 N63-11989 05-23

CESIUM ELECTRON BOMBARDMENT ION SOURCE FOR ELECTROSTATIC PROPULSION
IAS-PAPER-63-75 N63-12896 07-27

RADIATION RESISTANT SOLAR CELLS - N ON P CELLS WITH BASE REGION IMPURITY GRADIENT WHICH ACCELERATES MINORITY CARRIERS TOWARD THE JUNCTION
EOS-2080-IR-1 N63-13961 09-06

FEASIBLE SOLAR POWERED AIRCRAFT WITH HIGH ASPECT RATIO FLYING WING & RAMJET THRUST CONFIGURATION - DESIGN & PERFORMANCE ANALYSIS
ARL-62-360, PT. 1 N63-15227 11-04

ANALYSIS, FABRICATION AND TEST OF LARGE SOLAR CONCENTRATORS
EOS-1860-Q-4 N63-15971 13-10

ENERGY CONVERSION OF SEMICONDUCTOR ELECTRODES FOR FUEL CELL APPLICATIONS - LITHIATED NICKEL OXIDE, ZINC OXIDE, ANTHRACENE, & PHENANTHRENE DATA
ASD-TDR-62-89 N63-16113 13-25

IN-FLIGHT OPERATIONAL ANALYSIS AND DATA FROM MARS I SPACECRAFT N63-17248 15-32

DESCRIPTION OF MARS I - SOVIET UNION SPACECRAFT N63-17262 15-29

PLASMA ACCELERATION BY HALL EFFECT - ACCELERATION FORCE BY KINETIC THEORY N63-17516 16-24

SPHERICAL POWDER AND WIRE BUNDLE TUNGSTEN ION SOURCES FOR IONIZATION OF CESIUM VAPOR N63-17707 16-18

MULTICELL REGENERATIVE HYDROGEN-OXYGEN FUEL CELL ASSEMBLIES
NASA-CR-50564 N63-18410 17-09

DESIGN, DEVELOPMENT AND TESTING OF MULTICELL REGENERATIVE HYDROGEN-OXYGEN FUEL CELL
NASA-CR-50565 N63-18492 17-23

SOURCE & DETECTOR OF RADIATION IN 1500-50 AU WAVELENGTH RANGE FOR STUDY OF RADIATION EFFECTS ON MATERIALS IN VACUUM ULTRAVIOLET
WADD-TR-60-371 N63-19325 18-24

VACUUM ULTRAVIOLET RADIATION EFFECTS ON MATERIALS IN VACUO - SPACE ENVIRONMENTAL RESEARCH FACILITY
WADD-TR-60-371, PT. II N63-19326 18-10

POWER TRANSMISSION BY THERMAL RADIANT ENERGY
EOS-3000-FINAL N63-19747 19-13

REFLECTOR PIPE FOR TRANSMITTING THERMAL ENERGY FROM SOLAR COLLECTOR TO SPACECRAFT WITHOUT INTERMEDIATE CARNOT CYCLE LIMITED DEVICE
EOS-3000-Q-3 N63-20970 21-06

BASE HEAT TRANSFER IN LAMINAR FLOW - DEFENDER PROJECT
EOS-RN-14 N63-21215 21-13

LAMINAR SEPARATED BASE FLOW BEHIND OBJECTS FLYING AT HYPERSONIC SPEEDS - FINITE BOUNDARY AND SHEAR LAYER PROFILE DATA
EOS-RN-8 N63-21419 22-11

RESEARCH ON HIGH TEMPERATURE STRAIN GAUGE ELEMENTS
ARL-63-147 N63-22089 22-13

INVESTIGATION OF CONDENSERS APPLICABLE TO SPACE POWER SUPPLY
NASA-CR-51397 N63-22138 22-06

THERMODYNAMIC PROPERTIES OF HIGH TEMPERATURE ARGON
ARL-63-133 N63-22144 22-11

SHEAR LAYER DISTORTION DUE TO SHARP TURN AT SEPARATION POINT - EFFECT ON HYPERSONIC LAMINAR BASE FLOW PROPERTIES
EOS-RN-61 N63-22788 23-11

ELECTRIC ARC GAS FLOW INTERACTION
N63-23477 24-24

DATA TRANSMISSION SYSTEM FOR SPACE SIMULATION CHAMBER - ENGINEERING MODEL
AEDC-TDR-63-231 N63-23703 24-06

ELECTRONIC ASSOCIATES, INC., PRINCETON, N.J.
ANALOG COMPUTER PROGRAM FOR SOLUTION OF TWO-DIMENSIONAL ELECTROMAGNETIC RAY TRACING EQUATIONS FOR THE IONOSPHERE N63-18736 17-12

ANALOG COMPUTER PROGRAMMING FOR RAY TRACING OF RADIO WAVES IN THE IONOSPHERE
N63-19517 19-20

ELECTRONIC COMMUNICATIONS, INC., TIMONIUM, MD.
SURFACE WAVE EXCITATION - PART I, LAUNCHING THE DOMINANT DIPOLE MODE INTO A CIRCULAR CROSS SECTION DIELECTRIC ROD - PART II, SOMMERFIELD WAVE
AFCRL-62-173 N63-14659 10-25

MICROWAVE APPARATUS, HARMONIC GENERATORS, MIXERS, AND DETECTORS FOR MILLIMETER WAVE RESEARCH
AFCRL-62-174 N63-14734 11-08

ULTRAHIGH FREQUENCY PHASE SHIFTER - FERROELECTRIC
AFCRL-62-319 N63-15688 12-09

TECHNIQUES FOR SUPERHETERODYNE RECEIVERS ABOVE ONE HUNDRED GIGACYCLES - MILLIMETER WAVE DEVICE
NASA-CR-50881 N63-20195 20-08

TWO-DIMENSIONAL SELF-FOCUSING ANTENNA ARRAY MODEL
RADC-TDR-63-270 N63-20503 20-08

DYNAMIC PROGRAMMING AND ITS APPLICATION TO ANTENNA ARRAY THEORY
RADC-TDR-63-380 N63-23647 24-08

WIDEBAND LUNAR RELAY COMMUNICATIONS - ADAPTIVE RECEIVING ARRAY
AFCRL-63-332 N63-23701 24-08

ELECTRONIC SPECIALTY CO., LOS ANGELES, CALIF.
DRAG FLUCTUATION AND SATELLITE ORBIT CALCULATION - CIRCULAR ORBIT
NASA-CR-50235 N63-17698 16-20

ELECTRONIC SYSTEMS DIV., BEDFORD, MASS.
PROBABILITY OF DISCRIMINATION BETWEEN SUBSEQUENT ALTERNATIVE STIMULI
ESD-TDR-63-134 N63-17634 16-14

ELECTROSOLIDS CORP., SYLMAR, CALIF.
PHASE CONTROL OF POLYPHASE STATIC INVERTER
N63-14169 09-06

ELECTROTECHNICAL LAB., TOKYO /JAPAN/.
EFFECT OF OXYGEN IN SILICON AND GERMANIUM - HEAT TREATMENT AND RESISTIVITY N63-14838 11-19

EMERSON ELECTRIC MFG. CO., ST. LOUIS, MO.
THERMOSTATIC TEMPERATURE CONTROL DURING ASCENT AND REENTRY OF HYPERVELOCITY SPACE VEHICLES
N63-10920 02-13

FREQUENCY DISTRIBUTIONS OF SPECTRAL RADIANCE - REFLECTED RADIATION FROM TERRAIN AND CLOUDS
RPA-6-62 N63-16027 13-21

EMMANUEL COLL., BOSTON, MASS.
ELECTROMAGNETIC ENERGY TRANSFER AT BOUNDARY OF HOMOGENEOUS PLASMA LAYER AND ATMOSPHERE
AD-276705 N63-16918 14-24

ENGELHARD INDUSTRIES, INC., HILLSIDE, N.J.
WIRELESS CONTROL SYSTEM FOR AIRPORT LIGHTING
N63-11810 04-08

QUARTZ HELICAL DELAY TRANSMISSION LINE FOR PROPAGATION OF HIGH FREQUENCY ULTRASONIC WAVES
RADC-TDR-62-553 N63-18676 17-19

ENGLISH ELECTRIC AVIATION, LTD., LUTON /GT. BRIT./
TELEPHONE TRANSMISSION SYSTEMS FOR SATELLITE LINKS
N63-11353 03-08

ENTWICKLUNGSRING NORD, BREMEN /W. GERMANY/.
ORBIT-OPTIMIZATION OF SPACE VEHICLES - FLIGHT MECHANICS AND FLIGHT REGULATION
N63-20229 20-31

ENTWICKLUNGSRING SUD, MUNICH /W. GERMANY/.
SUPERSONIC RESISTANCE REDUCTION THROUGH FUSELAGE LIFT
WGL PAPER-13 N63-10011 01-02

MEASUREMENT OF ROLL DAMPING IN THE WIND TUNNEL
WGL PAPER-15 N63-10013 01-15

OPTIMUM WAITING PERIOD FOR AIRCRAFT ENGINE AND ELECTRONIC APPARATUS MAINTENANCE AND REPAIR
N63-20481 20-01

MODELS FOR ANALYZING AND PREDICTING MILITARY MAINTENANCE REQUIREMENTS - AIRCRAFT INSTRUMENTATION AND ELECTRONIC APPARATUS
N63-20482 20-01

DISTURBANCES CAUSED BY TURBULENCE AND INCIDENTAL OCCURRENCES - STABILITY AND CONTROL
N63-20848 21-04

NONLINEAR PROPERTIES OF AIRPLANES AND MISSILES INCLUDING CROSS COUPLING - STABILITY AND CONTROL
N63-20849 21-04

ENVIRONMENTAL RESEARCH ASSOCIATES, RANDALLSTOWN, MD.
MANNED SPACE STATION SEALS AND CONNECTOR DEVICES
NASA-CR-51303 N63-23023 24-32

EPPLEY LAB., INC., NEWPORT, R.I.
DESIGN OF PYRHELIOMETERS AND ESTABLISHMENT OF STANDARD SCALES FOR SOLAR RADIOMETRY
AFCRL-63-887 N63-23667 24-15

ERNST HEINKEL FLUGZEUGBAU G.M.B.H., MUNICH /W. GERMANY/.
DESIGN OF DYNAMICALLY SIMILAR AIRCRAFT MODELS
WGL PAPER-70 N63-10063 01-06

ERNST HEINKEL FLUGZEUGBAU G.M.B.H., SPEYER /W. GERMANY/.
STUDY OF FLUTTER IN AIRCRAFT
WGL PAPER-35 N63-10031 01-33

ESSEN NEUROLOGICAL CLINIC /W. GERMANY/.
ELECTROMYOGRAPHIC STUDIES OF PRIMARY MYOPATHIC AND NEUROGENIC MUSCULAR ATROPHY N63-18963 18-16

ESSO RESEARCH AND ENGINEERING CO., LINDEN, N.J.
EFFECTS OF FUEL AND ELECTROLYTE COMPOSITION ON COMPONENT PERFORMANCE IN METHANOL FUEL CELL
N63-14133 09-06

FILM FORMATION AND DECONTAMINATION - ORGANIC COOLANTS N63-16363 14-07

CHROMATOGRAPHIC AND SPECTROGRAPHIC ANALYSES OF BENZENE EXTRACTS OF HYDROCARBONS AND ORGANIC NON-HYDROCARBON COMPOUNDS FROM ORGUEIL METEORITE
N63-18892 18-07

DETECTING EXTRATERRESTRIAL LIFE
N63-23599 24-16

EUROPEAN ATOMIC ENERGY COMMUNITY, BRUSSELS /BELGIUM/.
POWER SUPPLY FOR ESONE STANDARD PLUG-IN SYSTEM
EUR-30.E N63-10773 02-09

ELECTRON BEAM WELDING OF SINTERED ALUMINIUM

EUR-39.E N63-10774 02-17

GAMMA RADIATION CURVES FOR STEEL, ALUMINUM AND URANIUM
EUR-103.F N63-10775 02-23

THERMIDOR - A FORTRAN CODE TO EVALUATE THE THERMAL NEUTRON SPECTRUM IN AN ORGEL TYPE FUEL ELEMENT
EUR-105.E N63-10776 02-20

DIFF - A FORTRAN CODE TO DETERMINE NEUTRON DIFFUSION CONSTANTS FOR COMPOSITE SHIELDING MATERIALS
EUR-106.F N63-10777 02-20

THRESHOLD DETECTORS FOR PENETRATION OF FAST NEUTRONS IN WATER
EUR-107.F N63-10778 02-15

TABLE OF EXPONENTIAL INTEGRAL FUNCTIONS
EUR-108.F N63-10779 02-20

CASTAING ELECTRON BEAM MICROANALYZER MODIFICATIONS AND APPLICATIONS
EUR-109.F N63-10780 02-15

DIFFUSION MEASUREMENTS OF RADIOACTIVE RARE-GASES IN SOLIDS
EUR-111.E N63-10781 02-15

POLYPHENYL MIXTURE ANALYSIS - BACKFLUSHING IN GAS CHROMATOGRAPH
EUR-90.D N63-11764 04-07

EURATOM DOSIMETRY - MEASUREMENT OF NUCLEAR RADIATION IN RESEARCH PILES
EUR-88.F N63-11765 04-23

NEW PROOF OF KONIG THEOREM
EUR-144.F N63-11766 04-20

SHIPMENT OF IRRADIATED FUEL FROM EUROPEAN POWER REACTORS TO THE UNITED STATES
EUR-112.E,F, VOL. 1 N63-11767 04-26

INTERNATIONAL TRANSPORTATION OF IRRADIATED REACTOR FUELS - LEGAL, ECONOMIC AND SAFETY ASPECTS
EUR-112.E,F, VOL. 3 N63-11768 04-26

FLUX DISTRIBUTION IN COLLIMATED BEAM BY MEANS OF THERMAL NEUTRON DETECTOR
EUR-133.I N63-11830 04-23

SWAGING OF URANIUM DIOXIDE
EUR-117.E N63-12644 06-17

EURATOM RESEARCH ACTIVITIES - ORGEL REACTOR
EUR-110.E N63-13266 07-01

COMPOSITION OF PURE ALUMINUM AND NIOBIUM BY ARC-MELTING USING TUNGSTEN ELECTRODE
EUR-132.F N63-13267 07-18

ELECTRON PROBE FOR SPECTROSCOPIC ANALYSIS OF RADIOACTIVE MATERIALS
EUR-118.F N63-13762 08-07

PHYSICAL CHEMISTRY - CATION MIGRATION INTO THE GROUND
EUR-141.F N63-13763 08-07

NUCLEAR REACTOR RADIATION SHIELDING OF THE ORGEL CRITICAL EXPERIMENT
EUR-149.F N63-13764 08-23

ANALOG PROGRAMMING AND CHECKING - APACHE I CODE
CETIS-15 N63-13765 08-20

ALGORITHMS FOR DECLARATIVE COMPUTER ADDRESS - DESIGN OF LANGUAGE ELEMENTS FOR DATA SYSTEMS - RECURSIVE FUNCTIONS
EUR-192.D,E N63-13766 08-20

INFORMATION THEORY APPLIED TO PRICE OF CALCULATION
CETIS-56 N63-13805 09-20

ANATOMICAL EVALUATION FOR BODY ORGANS AT DIFFERENT AGES, AVERAGE VALUES AND STANDARD DIAGRAM OF HUMAN WEIGHT EVOLUTION
EUR-147.F N63-13806 09-16

NEW TYPE OF FAST AMPLITUDE-NUMBER ENCODER WITH CLOSED LOOP CIRCUIT FORMED BY DELAY LINE, AMPLIFIER, AND BIASED DIODE
EUR-184.I N63-13807 09-0

HIGH TEMPERATURE BRITTLENESS IN ALUMINUM-ALUMINA COMPOSITE
EUR-208.F N63-13808 09-18

COMPARISON OF SURFACE TENSION MEASUREMENT METHODS FOR POLYPHENYLS - HORIZONTAL CAPILLARY, BUBBLE PRESSURE METHOD AND LENARD WIRE METHOD
EUR-209.D N63-13809 09-23

PROPERTIES OF POLYNOMIALS ASSOCIATED WITH GENERAL SECOND-SPECIES LAGUERRE FUNCTIONS
CETIS-58 N63-15049 11-20

QUANTITATIVE ANALYSIS OF SILICON AND COBALT IN STAINLESS STEELS BY X-RAY SPECTROGRAPHY
EUR-203.F N63-15403 12-18

COUPLING ANALOG AND DIGITAL COMPUTERS OF EUROPEAN SCIENTIFIC INFORMATION PROCESSING CENTER
CETIS-33 N63-15647 12-20

QUANTITATIVE DETERMINATION OF OXYGEN IN URANIUM MONOCARBIDE BY VACUUM HOT EXTRACTION
EUR-204.I N63-15648 12-07

TEMPERATURE DISTRIBUTION ANOMALY IN SURFACE LAYERS OF HEATED OR COOLED WALL - JACQ EFFECT AND INFLUENCE ON HEAT-TRANSFER COEFFICIENT
EUR-237.F N63-15649 12-13

CIRCUIT WIRING FOR NUMBER STORAGE IN IBM 047 TAPE-TO-CARD CONVERTER - MEMORY STORAGE UNIT
EUR-263.D N63-15701 12-09

POSSIBILITY OF NONDESTRUCTIVE ANALYSIS OF FUEL ELEMENTS CONTAINING URANIUM-235
EUR-248.F N63-16560 14-25

CALIBRATION OF SPECTRAL LINE INTENSITY RATIO
EUR-202.F N63-16580 14-20

MULTISTAGE SEARCH GAME - GAME THEORY APPLICABLE TO MACHINE SEARCH PROGRAMMING - INFORMATION RETRIEVAL
EUR-257.E N63-16825 14-20

APPLICATION OF BARRIER SOLID STATE DETECTORS TO SPECTROMETRIC ANALYSIS OF SELF-ABSORPTION OF ALPHA PARTICLES AND FISSION FRAGMENTS
EUR-222.F N63-17194 15-25

TECHNOLOGICAL EQUIPMENT IN PUBLIC ADMINISTRATION - LEGAL CONSEQUENCES
EUR-194.D N63-17237 15-01

ZIRCONIUM ALLOYS - USE AS CLADDING MATERIALS IN WATER COOLED REACTORS
EUR-86.D N63-17393 15-18

METHODS AND APPLICATIONS OF ULTRAHIGH VACUUM TECHNIQUES IN PHYSICS
EUR-231.D N63-17496 16-23

NEW SPECIMEN HOLDER FOR GUINIER X-RAY CAMERA
EUR-251.F N63-17559 16-17

SAMPLE HOLDER FOR MICROPROBE ANALYSIS OF ROCKS
EUR-252.F N63-17560 16-17

SINTERED POWERED ALUMINUM ALLOYS - RESIDUAL GAS REMOVAL AND HIGH TEMPERATURE, FATIGUE, CREEP RESISTANCE
EUR-272.F N63-17561 16-18

TABLES OF CROSS SECTIONS OF NUCLEAR REACTIONS WITH NEUTRONS IN 14 TO 15-MEV ENERGY RANGE
EUR-122.E N63-17772 16-23

APPROXIMATE COMPUTATION OF FUNCTIONS - CHEBYSHEV APPROXIMATION OF POLYNOMIALS - ASYMPTOTIC METHOD AND APPLICATION OF BESSEL FUNCTIONS
EUR-282.F N63-18230 17-20

METEOROLOGICAL REPORT - ATMOSPHERIC PHENOMENA AND CLIMATOLOGICAL METHODS - TEMPERATURE GRADIENTS AND WIND PROFILE PARAMETER CALCULATIONS
EUR-276.I N63-18730 17-21

TRANSFER OF MOMENTUM, HEAT, AND MASS IN TURBULENT PIPE FLOW PAST A HYDRODYNAMICALLY SMOOTH WALL
EUR-293.E N63-19206 18-11

SELF-ABSORPTION IN PURE BETA EMITTERS - NUCLIDES
EUR-338.E N63-19228 18-25

THERMAL NEUTRON FLUX IN HEAVY GASEOUS MODERATORS
EUR-292.I N63-19283 18-23

NEUTRON RETARDATION THEORY - PHYSICAL AND MATHEMATICAL ASPECTS - BOLTZMANN EQUATION DEDUCTIONS
EUR-342.I N63-19284 18-23

ULTRASONIC TRANSMISSION IN CYLINDRICAL ALUMINUM AND BRASS BARS
EUR-275.F N63-19298 18-18

PROBLEMS OF SHIELDING NUCLEAR ENERGY PLANTS
EUR-233.I N63-19351 18-23

HEAT OF VAPORIZATION OF DIPHENYLS, NAPHTHALENE AND ISOMERS OF TERPHENYL
EUR-301.D N63-19495 19-07

RESONANCE ABSORPTION IN NUCLEAR REACTORS - CALCULATION PROBLEMS
EUR-360.I N63-19812 19-23

EURATOM COMPUTER LINKAGE - ANALOG TO DIGITAL CONVERTER & DATA REGULATION
EUR-284.E N63-19915 19-20

LOCAL HEAT TRANSFER COEFFICIENT MEASUREMENTS IN TUBES WITH HIGH HEAT FLUXES
EUR-348.D N63-19916 19-13

PARAMETER OSCILLATION MEASUREMENTS IN REACTORS - THEORETICAL FOUNDATIONS
EUR-221.E N63-19970 19-23

PHYSICO-THERMAL PROPERTIES OF SODIUM, POTASSIUM, AND SODIUM-POTASSIUM ALLOYS FROM BOILING POINT TO 1300-DEG C
EUR-357.D N63-20062 20-18

ANALOG SIMULATION OF DYNAMIC MODEL OF DECISION
EUR-151.F N63-20238 20-09

DESOXYRIBOSENUCLEIC ACID /DNA/ SYNTHESIS IN ISOLATED PERFUSED RAT LIVERS
EUR-308.E N63-20465 20-16

X-RAY ABSORPTION SPECTRUM FOR NUCLEAR CHEMICAL ANALYSIS
EUR-270.E N63-20519 20-07

BURNOUT DETECTOR USING WHEATSTONE BRIDGE
EUR-363.F N63-20543 20-08

NEUTRON ACTIVATION ANALYSIS OF REACTOR MATERIALS - CHEMICAL ANALYSIS
EUR-306.I N63-20689 20-23

TWO-PHASE FLOW PROBLEMS - DYNAMICS OF BOILING WATER REACTOR - FUEL AND PLUTONIUM RECYCLING
EUR-352.E N63-20921 21-11

ACTIVITIES OF EUROPEAN ATOMIC ENERGY COMMUNITY
N63-22028 22-01

GALERKIN METHOD FOR CALCULATION OF THERMAL FLUX IN HETEROGENEOUS MEDIA WHEN ESTIMATING DIFFUSION
EUR-358.I N63-22852 23-25

APACHE SUBROUTINE FOR AUTOMATING FIXED AND VARIABLE DELAY FUNCTIONS IN ANALOG PROBLEMS
EUR-347.F N63-23192 24-20

ELECTRON GUN DETERMINATION OF HIGH TEMPERATURE THERMAL DIFFUSIVITY OF URANIUM CARBIDE
EUR-227.E N63-23520 24-13

EUROPEAN OFFICE OF AEROSPACE RESEARCH, LAUSANNE /SWITZERLAND/.
METHODS OF SOLVING RANDOM EQUATIONS WITH STOCHASTIC QUANTITIES RELATIVE TO LAWS OF COMPOSITION
ASD-TDR-63-63 N63-14301 10-20

EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH, GENEVA /SWITZERLAND/.
FILM ANALYZER - SCANNING DEVICE FOR PHOTOGRAPHIC PROBLEM SOLVING, OSCILLOSCOPE TRACES, SPARK CHAMBER PICTURES
CERN-63-10 N63-17467 15-15

STRUCTURE OF AUSTENITIC STAINLESS STEEL UNDERGOING MARTENSITE TRANSFORMATION IN CRYOGEN HYDROGEN STUDIED WITH ION BOMBARDMENT MICROSCOPE
CERN-63-11 N63-17468 15-25

IONIZATION CHAMBER FOR ESTIMATION OF BIOLOGICAL EFFECTIVENESS OF RADIATION
CERN-63-17 N63-17469 15-15

KINEMATICAL QUANTITIES FOR TWO BODY DECAYS IN THE MOMENTUM RANGE FROM 0.05 TO 25.0 GEV/C
CERN-63-20 N63-19189 18-23

HIGH ENERGY NUCLEAR PHYSICS USING PARTICLE ACCELERATORS AND NUCLEAR EMULSIONS
CERN-63-22 N63-20459 20-23

GEOMETRY PROGRAMS FOR HEAVY LIQUID BUBBLE CHAMBERS
CERN-63-23 N63-20460 20-23

SECTOR-FOCUSED CYCLOTRONS - OPERATION, EXTRACTION, HIGH CURRENT MACHINES, ORBIT THEORY, AND MESON FACTORIES
CERN-63-19 N63-21125 21-23

HYDROGEN BUBBLE CHAMBER STUDY OF INTERACTION OF PROTONS OF POSITIVE PIONS IN 300 MEV KINETIC ENERGY RANGE
CERN-63-27 N63-21177 21-23

HIGH ENERGY PHYSICS AND NUCLEAR STRUCTURE - COMPLEX NUCLEI, HIGH ENERGY ELECTRON SCATTERING, PIONS, NUCLEONS, DEUTERONS, AND MUONS
CERN-63-28 N63-21196 21-23

AXISYMMETRIC OR TWO-DIMENSIONAL ELECTRODE WITH EMITTING SURFACE - COMPUTER PROGRAM
CERN-63-16 N63-22550 23-20

CIRCULAR AND RELATIVISTIC GENERALIZATION OF THE BALANCE OF BRILLOUIN ZONES
CERN-63-18 N63-22551 23-23

DESIGN OF CONTROL SYSTEM FOR IBM 709 COMPUTER
CERN-63-21 N63-22552 23-20

TELESCOPE TO IDENTIFY ELECTRONS IN PRESENCE OF PION BACKGROUND
CERN-63-25 N63-23049 24-15

QUANTUM MECHANICS - SCATTERING THEORY
N63-23283 24-23

QUANTUM MECHANICS RECAPITULATION
N63-23284 24-23

QUANTUM MECHANICS - SCATTERING THEORY APPLIED TO POTENTIAL SCATTERING N63-23285 24-23

NUCLEAR RESEARCH - PROTON SYNCHROTRON & SYNCHRO-CYCLOTRON N63-23355 24-23

PROPOSED EXPERIMENTAL STUDY OF PI-PI MESON INTERACTION N63-23466 24-23

PION CAPTURE FOR SHELL MODEL INVESTIGATIONS
N63-23468 24-23

EWEN KNIGHT CORP., EAST NATICK, MASS.
MILLIMETER WAVELENGTH OBSERVATIONS OF VENUS & THE MOON N63-22540 23-09

EXOTECH INC., ALEXANDRIA, VA.
GRAVITY GRADIENT TORQUES ON A SUN-ORIENTED SPACE STATION

NASA-CR-50785 N63-19851 19-29

PRECESSION CONTROL AND ORBIT MAINTENANCE SYSTEMS FOR ROTATING SPACE STATIONS
NASA-CR-51729 N63-22174 23-32

EXPLOSIVES RESEARCH AND DEVELOPMENT ESTABLISHMENT, WALTHAM ABBEY /GT. BRIT./
DIFFERENCES IN GROWTH OF SHOCK INITIATED DETONATION IN LIQUID AND SOLID EXPLOSIVES - ENERGY RELEASE RATE MODEL FOR SOLID GRANULAR EXPLOSIVES
N63-18555 17-11

F

FABRIC RESEARCH LABS., INC., DEDHAM, MASS.
BREAKING STRENGTH AND HEAT TOLERANCE OF QUARTZ FIBER - IMPROVED FINISHES FOR QUARTZ FABRICS
ASD-TDR-63-802 N63-23365 24-13

FAIRCHILD CAMERA AND INSTRUMENT CORP., SYOSSET, N.Y.
MATHEMATICAL ANALYSIS OF CARTOGRAPHIC PHOTOGRAPH DISTORTION CAUSED BY CONICAL SHOCK WAVES
N63-15656 12-12

FAIRCHILD SEMICONDUCTOR CORP., MOUNTAIN VIEW, CALIF.
SEMICONDUCTOR PROCESS DEVELOPMENT - LEAD ATTACHMENT, EPITAXIAL GROWTH N63-22842 23-09

FAIRCHILD STRATOS CORP., BAY SHORE, N.Y.
RELIABILITY ANALYSIS OF REDUNDANCY MECHANISMS
N63-17283 15-20

POWDER LUBRICATION OF ROLLING CONTACT BEARINGS AT HIGH SPEED AND HIGH TEMPERATURE
N63-17835 16-17

FAIRCHILD STRATOS CORP., HAGERSTOWN, MD.
EQUATIONS OF EQUILIBRIUM FOR LARGE ELASTIC DEFORMATIONS OF RELATIVELY THIN TRUNCATED CONICAL SHELLS
FS-AMD-R62-1 N63-12047 05-33

HYPERSONIC FLOW ANALYSIS - REAL GAS OBLIQUE SHOCK FUNCTIONS FOR AIR IN CHEMICAL EQUILIBRIUM - TWO AND THREE DIMENSIONAL FLOW
DM-63-1 N63-13813 09-11

FAIRFIELD U. OF ST. ROBERT BELLARMINE, INC., CONN.
REACTION OF FREE RADICAL PRODUCED BY PHOTOCHEMICAL DECOMPOSITION OF MOLECULE COMPARED TO SAME RADICAL PRODUCED THERMALLY
AFCRL-63-849 N63-23750 24-07

FALCON RESEARCH AND DEVELOPMENT CO., DENVER, COLO.
EXPLOSIVE CHARGE PARAMETERS RELATED TO EFFICIENCY & UTILITY OF EXPLOSIVE ENERGY SOURCES FOR PULSED MAGNETOHYDRODYNAMIC ENERGY CONVERSION
ASD-TDR-63-37 N63-22902 23-24

F AND M SCIENTIFIC CORP., AVONDALE, PA.
DESIGN AND CONSTRUCTION OF GAS CHROMATOGRAPH FOR BORON COMPOUND PURIFICATION
AFCRL-62-731 N63-14601 10-07

FANSTEEL METALLURGICAL CORP., NORTH CHICAGO, ILL.
TUNGSTEN & TUNGSTEN ALLOY SHEET ROLLING PROGRAM
N63-14854 11-17

NIOBIUM ALLOY SHEET ROLLING PROGRAM
N63-16545 14-18

SHEET ROLLING OF NIOBIUM ALLOYS
N63-19287 18-18

FARADAY TRANSLATIONS, NEW YORK, N.Y.
EXPLOSION WELDING
NASA-TT-F-140 N63-13539 08-17

SEVEN-TRANSISTOR VOLTAGE STABILIZER WITH OUTPUT POWER OF 25 WATTS
NASA-TT-F-155 N63-14210 09-09

ACTION OF CERTAIN PHARMACOLOGICAL AGENTS ON INTRACRANIAL CIRCULATION - CARBON DIOXIDE IN BLOOD
NASA-TT-F-160 N63-14248 10-16

INTRACRANIAL CIRCULATION - PLATINUM ELECTRODE BIOSENSORS
NASA-TT-F-159 N63-14316 10-16

PRESSURE PULSES IN CLOSED CRANIAL CAVITY - CEREBROSPINAL FLUID PULSE WITH BIOLOGICAL PRESSURE PROBE
NASA-TT-F-158 N63-14364 10-16

EXTRACRANIAL AND INTRACRANIAL CIRCULATION IN ANIMALS BY ELECTROPLETHYSMOGRAPHY
NASA-TT-F-161 N63-14431 10-16

PULSE AND RESPIRATORY FLUCTUATIONS OF INTERCRANIAL PRESSURE IN HERMETIC CAVITY
NASA-TT-F-162 N63-14432 10-16

ELECTRIC MODEL FOR HYDRAULIC DESIGN OF AIR COOLING SYSTEMS FOR MULTISTAGE GAS TURBINES
NASA-TT-F-78 N63-15237 11-06

PARTIAL SEPARATION OF VARIABLES APPLIED TO TWO P-ELECTRON CALCULATIONS - SPIN ORBIT, ANGULAR MOMENTUM, ENERGY TRANSFER, ATOMIC EXCITATION
NASA-TT-F-152 N63-15238 11-23

ELECTROPLETHYSMOGRAPHY INVESTIGATION OF VOLUME CHANGE OF CEREBROSPINAL FLUID, AND VELOCITY CHANGE OF BLOOD CIRCULATION IN BRAIN
NASA-TT-F-157 N63-15510 12-16

CRANIAL BLOOD CIRCULATION ANALYSIS - VENOUS BLOOD OUTFLOW MECHANISM
NASA-TT-F-163 N63-15511 12-16

FARRAND OPTICAL CO., INC., NEW YORK, N.Y.
SOLAR RADIATION SIMULATION STUDIES
AEDC-TDR-63-90 N63-16780 14-28

SOLAR RADIATION SIMULATION - ENVIRONMENTAL CHAMBERS
VL-2244-6-0 N63-16793 14-28

FEDERAL AVIATION AGENCY, ATLANTIC CITY, N.J.
TERMINAL RADAR SERVICE AREA CONTROL CONCEPT
N63-11809 04-22

COFFING THREE-DIMENSIONAL GYROSCOPIC HORIZON DISPLAY - AIRCRAFT INSTRUMENT
N63-12761 06-15

TELETYPE 28 ASR FORMAT GENERATORS FOR COMPUTER INPUT OF FLIGHT PLAN DATA FOR AIR TRAFFIC CONTROL
N63-13466 08-20

GAIN, BANDWIDTH, NOISE AND SYSTEM TESTS FOR PERFORMANCE OF RADAR PARAMETRIC AMPLIFIER
N63-13480 08-08

AIR TRAFFIC CONTROL PROCEDURES, TEST OF INSTRUMENT FLIGHT RULES FOR HELICOPTER OPERATIONS IN NEW YORK AREA N63-13481 08-04

HONOLULU TERMINAL RADAR SERVICE AREA AND HAWAIIAN ISLANDS DOMESTIC ENROUTE AREA - AIR TRAFFIC CONTROL FACILITIES AND SIMULATION
N63-13699 08-08

GROUND STATIONS, CHANNEL SPACING, INTERFERENCE, HARMONICS N63-13728 08-08

DESCRIPTION AND BASIC LOGIC OF UNIVAC FILE COMPUTER I AIR TRAFFIC CONTROL - AUTOMATIC DATA PROCESSING SYSTEM N63-14472 10-20

COMPUTER PROGRAMMING FOR AIR TRAFFIC CONTROL - MASTER PROGRAM FOR AUTOMATIC FLIGHT DATA PROCESSING N63-15207 11-20

INVESTIGATION OF CHARACTERISTICS OF PENTAGONAL TOWER CAB FOR AIR TRAFFIC CONTROL
N63-15395 12-10

LIGHT TRANSMISSION AND REFLECTION CONSIDERATION FOR AIR TRAFFIC CONTROL TOWER CAB DESIGN
N63-15396 12-10

AIRCRAFT INSTRUMENT FOR WARNING PILOT OF COLLISION WITH OMNIDIRECTIONAL RADIO RANGING

N63-15530 12-15

APPROACH VISIBILITY MEASUREMENTS, INSTRUMENTATION, AND APPLICATION TO AIRCRAFT INSTRUMENT LANDING OPERATIONS N63-15924 13-22

AIRCRAFT REFLECTION INTERFERENCE OF AN INSTRUMENT LANDING SYSTEM N63-17586 16-22

S-58 HELICOPTER WAKE STUDIES BY PHOTOGRAPHS OF COLORED SMOKE TRAILS N63-20774 21-04

FLIGHT TEST EVALUATION AND COMPARISON OF UNITED STATES AND AUSTRALIAN VISUAL APPROACH SLOPE INDICATOR - LANDING AID N63-20775 21-15

AIR TRAFFIC CONTROL TOWER CAB CONSOLES, ROOM CONSOLES AND PAINTING AND LIGHTING ARRANGEMENTS N63-21862 22-16

AIRPORT DISPLACED THRESHOLD RUNWAY LIGHTING N63-21918 22-10

CONCEPT FOR VISUAL FLIGHT RULE AIRPORT LIGHTING - AIRPORT BEACONS, RUNWAY LIGHTS, WIND INDICATORS, & THRESHOLDS N63-21919 22-10

TAKEOFF AND LANDING OPERATION BY TRANSPORT AIRCRAFT N63-22044 22-04

COCKPIT VOICE RECORDERS UNDER HIGH AMBIENT NOISE CONDITIONS N63-22197 23-08

EVALUATION OF TRANSISTORIZED AUDIO AMPLIFIER N63-22412 23-08

FEDERAL AVIATION AGENCY, OKLAHOMA CITY, OKLA.

AROUSAL AND ITS EFFECTS ON HUMAN VESTIBULAR NYSTAGMUS INDUCED BY CALORIC IRRIGATION AND ANGULAR ACCELERATIONS
CARI-62-17 N63-10524 01-16

ABSOLUTE IDENTIFICATION OF CUTANEOUS STIMULI VARYING IN BOTH INTENSITY LEVEL AND DURATION
CARI-62-16 N63-12248 05-14

SURVIVAL OF EXTREME VERTICAL IMPACT IN SEATED POSITION
CARI-62-19 N63-12249 05-16

CIVIL AEROMEDICAL RESEARCH - AIMS AND ACCOMPLISHMENTS
CARI-62-20 N63-12250 05-16

RENAL HEMODYNAMIC RESPONSE TO INCREASED VENOUS PRESSURE
CARI-62-18 N63-12277 05-16

EFFICIENCY OF OXYGEN MASKS DETERMINED BY MEASURING NITROGEN CONTENT WITHIN THE MASK
CARI-62-21 N63-13325 07-16

REVERSIBLE HEMATURIA AND OLIGURIA FOLLOWING RENAL VENOUS PRESSURE ELEVATION
CARI-63-1 N63-14333 10-16

HUMAN ENGINEERING - ANALYSIS OF SITTING AREAS AND PRESSURES
CARI-62-1 N63-16527 14-16

TRANSIENT RESPONSE OF PDR-8 EARPHONES - ONSET DURATION OF AUDITORY STIMULI
CARI-63-7 N63-19380 18-08

NEURAL CONTROL OF CILIARY MUSCLE - EYE ACCOMMODATION FOR DISTANT VISION
CARI-63-5 N63-19400 18-16

FIELD TEST FOR ASSESSMENT OF PHYSICAL FITNESS
CARI-63-6 N63-19836 19-16

PHYSIOLOGICAL RESPONSE IN CATS FROM VESTIBULAR CANAL STIMULATION BY UNILATERAL CALORIC IRRIGATION
CARI-63-3 N63-19888 19-16

TOXICITY OF CHLORINATED HYDROCARBONS IN INSECTICIDES TO PHOSPHORYLATION PROCESSES IN RATS AND CHICKENS
CARI-63-4 N63-21924 22-16

FEDERAL AVIATION AGENCY, WASHINGTON, D.C.

FOG CHAMBER LIGHTING TESTS OF AIRPORT LANDING LIGHTS N63-10620 02-11

AIR TRAFFIC CONTROL - FORECAST THROUGH 1975 - ELECTROMAGNETIC SPECTRUM - SIGNAL INTERFERENCE N63-12175 05-04

FAA IMPACT RESEARCH - AVIATION MEDICINE, HUMAN TOLERANCE, ACCELERATION STRESS, AIRCRAFT ACCIDENTS N63-12847 07-16

NATIONAL AIRSPACE UTILIZATION SYSTEM - OPERATIONAL CONCEPTS AND SYSTEM DESIGN N63-13357 08-01

GENERAL AVIATION TRANSPONDERS EVALUATION N63-13727 08-15

AIR TRAFFIC SURVEY, NORTH ATLANTIC REGION - 1962 N63-14613 10-04

MILITARY CROSS-COUNTRY FLIGHT ACTIVITY N63-14618 10-04

SEDAN PROJECT - AIR TRAFFIC CONTROL DURING NUCLEAR DETONATION
PNE-205F N63-15458 12-01

F.A.A. PERSONNEL - DEPLOYMENT ORGANIZATION COST N63-16844 14-10

NAVIGATION DISPLAYS AND COMPUTERS AS AIDS TO AIR TRAFFIC CONTROL N63-17438 15-22

CENTRAL ALTITUDE RESERVATION FACILITY - FORECASTS, AIR TRAFFIC CONTROL N63-17501 16-10

COMMERCIAL SUPERSONIC TRANSPORT AIRCRAFT R&D - BIBLIOGRAPHY N63-18173 16-04

FLIGHT TEST VELOCITY PROFILES FOR BELL 47G-3B HELICOPTER N63-19527 19-04

AVIATION WEATHER SYSTEM DEVELOPMENT PROGRAM N63-20271 20-21

METEOROLOGICAL SYSTEM FOR COMMON AIR TRAFFIC CONTROL N63-21212 21-21

INSTRUMENT FLIGHT RULE TRAFFIC IN NEW YORK AREA - JET PORT FORECAST N63-22761 23-04

AIRBORNE COLLISION AVOIDANCE NAVIGATION AND TRAFFIC CONTROL DEVICES N63-22856 23-01

RADAR QUALITY CONTROL - CONTINUOUS MONITORING BY AIRCRAFT N63-23146 24-08

FEDERAL COMMUNICATIONS COMMISSION, WASHINGTON, D.C.

REGULATORY ASPECTS OF SATELLITE COMMUNICATION SYSTEM N63-11152 03-01

FREE ENTERPRISE IN SPACE - DEVELOPMENT OF COMMERCIAL SPACE COMMUNICATION - NASA PROGRAM N63-21143 21-01

FEDERAL ELECTRIC CORP., PARAMUS, N.J.

ELECTRONIC EQUIPMENT RELIABILITY - RADAR, GROUND COMMUNICATION
RADC-TDR-63-146 N63-17421 15-09

FENWAL INC., ASHLAND, MASS.

FIBER OPTICS IN AEROSPACE HAZARD DETECTION
ASD-TDR-62-731 N63-15372 12-19

FIELD EMISSION CORP., MCMINNVILLE, ORE.

X-BAND OSCILLATOR WITH FIELD EMISSION CATHODE AND ELECTRON GUN
RADC-TDR-63-317 N63-22069 22-09

FIRE RESEARCH STATION, BOREHAMWOOD /GT. BRIT./

TURBULENT FLAME PROPAGATION FROM BURNING PROCESSES OF NATURAL FIRES N63-18578 17-26

FLIGHT SAFETY FOUNDATION, WOODS HOLE, MASS.

FLIGHT SAFETY FOUNDATION AVIATION CRASH INJURY STUDIES - HUMAN TOLERANCE, ACCELERATION STRESS N63-12851 07-16

FLORENCE U. /ITALY/.
LASER RESEARCH N63-23467 24-25

FLORIDA STATE U., TALLAHASSEE.
EFFECTS OF STAINING ON MICROSPHERES PRODUCED FROM THERMAL POLYAMINO ACIDS N63-11326 03-16

EXPERIMENTAL INVESTIGATION OF BIOGENESIS OF AMINO ACIDS, PROTEINOIDS AND PROTEINS N63-11402 03-16

TANDEM ACCELERATOR PROGRAM - HELIUM AND HELIUM-3 BEAM ACCELERATION AND SCATTERING N63-12310 05-23

KINETIC ENERGY BUDGET OF STRATOSPHERE OVER NORTH AMERICA DURING THE WARMING OF 1957
AFCRL-63-429 N63-15394 12-12

TRANSFER OF TRAINING - LEARNING BEHAVIOR - EFFECT OF TIME DELAY AND TASK SIMILARITY - MEMORY
AMRL-TDR-63-22 N63-16339 13-14

STIMULUS SIMILARITY AND DELAY IN TRANSFER OF TRAINING
AMRL-TDR-63-26 N63-17584 16-14

EFFECT OF GRAM STAIN ON MICROSPHERES FROM THERMAL POLYAMINO ACIDS N63-17687 16-16

PROTEINOIDS PREPARED BY THERMAL COPOLYMERIZATION OF AMINO ACIDS - CONDITIONS FOR AMINO ACID RECOVERY FOLLOWING HYDROLYSIS
NASA-CR-50418 N63-18388 17-07

TOTAL POTENTIAL-ENERGY BUDGET OF THE STRATOSPHERE OVER NORTH AMERICA DURING THE WARMING OF 1957
AFCRL-63-689 N63-20778 21-12

TWO SAMPLE SEQUENTIAL RANK TEST STATISTICAL METHOD FOR POPULATION TESTING N63-23085 24-20

FLORIDA U., GAINESVILLE.
BUCKLING OF INITIALLY IMPERFECT AXIALLY COMPRESSED CYLINDRICAL SHELLS N63-10821 02-33

WASTE TREATMENT PROTOZOA - MORPHOLOGY AND TAXONOMY OF FLAGELLATA N63-11933 04-16

SHALLOW SHELL THEORY APPLIED TO EQUILIBRIUM AND BUCKLING
AROD-2028-14 N63-13540 08-33

INDUCTION HEATING TO SIMULATE AERODYNAMIC HEATING
WADC-TR-59-523, PT. III N63-13960 09-23

EFFECT OF CHRONIC EXPOSURE TO HYPOXIA ON BLOOD PRESSURE AND THYROID FUNCTION OF HYPERTENSIVE RATS
SAM-TDR-63-4 N63-15202 11-16

FLUOROCARBON NITROGEN-FLUORINE COMPOUNDS
AROD-007-15 N63-15817 13-07

SYNTHESIS OF UNSATURATED FLUOROCARBON ORGANIC COMPOUNDS FOR ELASTOMERS N63-18143 16-07

ASYMPTOTIC ERROR CODING FOR BINARY SYMMETRIC CHANNEL WITH FEEDBACK
AFCRL-63-122 N63-18274 17-20

ELASTIC INSTABILITY OF PRESSURIZED CYLINDRICAL SHELLS UNDER COMPRESSION OR BENDING
NASA-CR-50207 N63-18285 17-33

CARBONIC ANHYDRASE INHIBITION IN EXERCISING RATS - PHYSIOLOGICAL EFFECTS IN STRESS CONDITIONS
SAM-TDR-63-22 N63-18880 18-16

EFFECT OF HYPOXIA ON RATE OF OXYGEN CONSUMPTION IN MICE UNDER VARIOUS ENVIRONMENTS
SAM-TDR-62-122 N63-19095 18-16

FIELD ALIGNED DUCTS AND PROPAGATION OF DECAMETER RADIATION FROM MAGNETOSPHERE OF JUPITER N63-19531 19-29

DEFORMATION TWINNING IN PLASTIC DEFORMATION, FRACTURE, AND RECRYSTALLIZATION OF ZIRCONIUM N63-19790 19-18

CONFIRMATION OF THERMOELASTIC EQUATIONS FOR SANDWICH PANEL DEFLECTION
ASD-TDR-63-559 N63-19866 19-37

FLUOROCARBON NITROGEN-FLUORIDE COMPOUNDS FROM BROMINE CYANIDE AND SODIUM CYANIDE REACTIONS WITH SULFUR TETRAFLUORIDE
AROD-007-16 N63-19977 19-07

RESPONSE OF CANTILEVER BEAM TO RANDOM LOADING - CORRELATION OF SEMI-EXPERIMENTAL ANALYSIS & MATHEMATICAL MODEL N63-20724 21-31

RADIO FREQUENCY INDUCTION HEATING AS MEANS OF SIMULATING AERODYNAMIC HEATING
WADC-TR-59-523 N63-22019 22-02

FLUGWISSENSCHAFTLICHE FORSCHUNGSANSTALT, MUNICH /W. GERMANY/.
ATMOSPHERIC CONDITIONS AND INFLUENCE ON SPACECRAFT DESIGN, OPERATION - SPACE SYSTEM ENGINEERING
FFM-56 N63-14334 10-29

METEOROLIGICAL ROCKETS AND SATELLITES - BIBLIOGRAPHY
FFM-55 N63-14351 10-32

RICHARDSON-CRITERION FOR PREDICTING CLOUD-FREE TURBULENCE USING FLIGHT MEASUREMENTS
FFM-58 N63-20915 21-11

STALLING AND OTHER FLIGHT CHARACTERISTICS OF 12 SPORT AND TRANSPORT AIRCRAFT
FFM-59 N63-21627 22-04

SOUTH ALPINE WINDS - METEOROLOGICAL FLIGHT MEASUREMENTS OF HEAT CONVECTION AND ATMOSPHERIC ELECTRICITY
FFM-57 N63-22248 23-04

FLUID LOGIC CONTROL SYSTEMS, NEW YORK, N.Y.
FLUID AMPLIFIER FOR USE IN LOGIC CIRCUITS AND AS SENSOR OF LOW VELOCITY FLUID STREAMS AND LOW ACOUSTIC WAVES N63-13402 08-11

FLUIDYNE ENGINEERING CORP., MINNEAPOLIS, MINN.
HYPERSONIC TEST STAND MODEL INSTRUMENTATION SYSTEM - SUPPORT SYSTEM, FORCE, SURFACE PRESSURE SURFACE MEASURING SYSTEMS
ARL-63-1 N63-15613 12-16

RAMJET ENGINE BYPASS FLOW & THROAT DIFFUSER NOZZLE MODEL TESTS AT MACH 7
AEDC-TDR-63-173 N63-20132 20-21

FLYING PERSONNEL RESEARCH COMMITTEE /GT. BRIT./
CONTROLLING FACTORS IN CHOICE OF METERED OXYGEN FLOW AND RESERVOIR CAPACITY IN PRESSURE ECONOMIZER SYSTEMS
FPRC/MEMO-176 N63-11772 04-16

PHYSIOLOGICAL ASSESSMENT OF ROBERTSHAW-FULTON REGULATOR TYPE 20004
FPRC/MEMO-175 N63-11773 04-16

PRE-EJECTION BODY RESTRAINT SYSTEM PROTECTING PARACHUTIST FROM WIND BLAST & Q-FORCE
FPRC/MEMO.-186 N63-20043 19-16

ROBERTSHAW-FULTON TYPE 20004 REGULATOR PERFORMANCE IN PROVIDING AUTOMATIC SAFETY PRESSURE IN PRESSURE ECONOMIZER SYSTEM
FPRC/MEMO.-185 N63-20076 20-17

UNSUITABILITY OF FIREWEL /TILT VALVE/ OXYGEN REGULATORS FOR USE IN PRESSURE ECONOMIZER SYSTEM
FPRC/MEMO-190 N63-20110 20-19

AIR VENTILATED LINING FOR PARTIAL PRESSURE HELMET
FPRC-MEMO-187 N63-23766 24-19

FMC CORP., PRINCETON, N.J.
REGENERATION OF CARBOHYDRATES FROM CARBON DIOXIDE IN CLOSED ECOLOGICAL SYSTEM /RESPIRATORY SYSTEM/
AIAA PAPER-63-143 N63-19015 18-16

FOCKE-WULF, BREMEN /W. GERMANY/.
COMPARISON OF VERTICAL TAKEOFF AIRCRAFT WITH THE CONVENTIONAL TYPE
WGL PAPER-27 N63-10025 01-04

STUDIES OF SECONDARY POWER GENERATED BY VERTICAL LIFT JETSTREAMS
WGL PAPER-28 N63-10026 01-11

AUTOMATIC STABILIZATION AND SAFETY OF VTOL AIRCRAFT
WGL PAPER-31 N63-10027 01-04

JET DEFLECTION IN TWO-CIRCUIT ENGINES BY MEANS OF SPOILERS
WGL PAPER-51 N63-10046 01-03

GLASS FIBER REINFORCED PLASTIC STRUCTURAL MATERIAL PROPERTIES N63-20165 20-19

FORD INSTRUMENT CO., LONG ISLAND CITY, N.Y.
LOW-TEMPERATURE THERMIONIC PLASMA STUDY N63-10452 01-06

NEON & ARGON ADDITIVES IN CESIUM THERMIC DIODE - CESIUM ION TRAPPING
AFCRL-63-607 N63-19159 18-24

FORD MOTOR CO., DEARBORN, MICH.
AUTOMOTIVE IMPACT - CRASH CONDITIONS, HUMAN TOLERANCE N63-12854 07-16

METHOD OF OBTAINING TEST-TO-FAILURE DATA ON THERMAL BATTERIES AND OTHER ONE-SHOT ITEMS IN SHILLELAGH MISSILE SYSTEM N63-14157 09-06

FOREST PRODUCTS LAB., MADISON, WIS.
BUCKLING OF LAYERED ORTHOTROPIC AND SANDWICH CYLINDRICAL SHELLS IN AXIAL COMPRESSION N63-10832 02-33

CALCULATION OF VIBRATION IN SANDWICH CONSTRUCTION FROM DAMPING PROPERTIES OF CORES AND FACINGS
FPL-1888 N63-11411 03-33

COMPRESSIVE AND SHEAR PROPERTIES OF CORRUGATED ALUMINUM FOIL SANDWICH CORES
FPL-1889 N63-11412 03-33

TENSION, COMPRESSION AND SHEAR EVALUATION IN THE INTERLAMINAR PLANE OF FIVE PLASTIC LAMINATES
FPL-1890 N63-14496 10-19

CRITICAL BUCKLING PRESSURE CURVES FOR CYLINDERS OF FINITE LENGTH WITH SANDWICH WALLS
FPL-07 N63-17915 16-33

FORSCHUNGSINSTITUT FUR PHYSIK DER STRAHLANTRIEBE, STUTTGART /W. GERMANY/.
BALLISTIC AND AERONAUTICAL SPACE TRAVEL - PROPULSION SYSTEMS, ROCKETS AND SPACE VEHICLES N63-15990 13-30

EUROPEAN COOPERATION IN SPACEFLIGHT ENGINEERING - EARTH SATELLITES, MANNED SPACECRAFT FOR EARTH - ORBIT TRAFFIC - MANNED INTERPLANETARY SPACECRAFT N63-18916 18-32

GAS DYNAMICS - SCATTERING OF GAS MOLECULES ON VARIOUS SURFACES N63-21579 22-23

FRANCE. DIRECTION DE LA METEOROLOGIE NATIONALE, PARIS.
FREQUENCIES OF LOW CLOUD CEILINGS, BAD VISIBILITY, NON-OPERATIONAL CONDITIONS AT ORLY AND LE BOURGET - RELIEVING OF THESE AIRPORTS N63-11876 04-21

SEASONAL VARIATIONS IN WIND PROFILES IN AREA SOUTH OF RED SEA N63-12058 05-21

DISTRIBUTION AND DURATION OF PRECIPITATION IN WESTERN AFRICA - METEOROLOGICAL DATA ANALYSIS N63-17755 16-21

FRANCE. MARINE NATIONALE, PARIS.
PHARMACOLOGICAL RESEARCH - HUMAN ORGANISM AND ITS ENVIRONMENT N63-18953 18-16

FRANCE. MINISTERE DE L AIR, PARIS.
PHOTOEXTENSOMETRIC STUDY OF BIREFRINGENT COATINGS N63-11306 03-15

DETERMINATION OF SURFACE TEMPERATURES USING EMISSIONS FROM THIN PHOTOLUMINESCENT COATINGS N63-11307 03-23

LINEAR THEORY OF THIN JET AND CAVITATION EFFECTS CALCULATION OF OUTFLOWS BY RHEOELECTRICAL SIMULATION N63-11328 03-11

STABILITY REQUIREMENTS FOR VIBRATORY COMBUSTION IN A RESONANCE BURNER N63-11351 03-26

AIR EXPANSION IN A TANK N63-13076 07-23

REALIZATION OF AN OPTICAL PERIODOGRAPH - APPLICATIONS TO THE STUDY OF THE FUNCTIONS OF TRANSPARENCY N63-13190 07-23

ARITHMETICAL SIMPLIFICATION OF BINOMIAL THEOREM USING AUXILIARY VARIABLES N63-13229 07-20

STRUCTURE OF TELLURIUM SINGLE CRYSTALS STUDIED BY ELECTRON TRANSPORT METHODS - VALENCE AND CONDUCTION BANDS N63-13278 07-25

CHEMICAL AND PHYSICOCHEMICAL STUDY OF ALPHA DICHLOROCYCLOHEXANONE N63-13297 07-07

ELECTRODE KINETICS - USE OF ALTERNATING CURRENT IN STUDY OF POLAROGRAPHIC DISCHARGE N63-14061 09-23

AUTOMATIC DEVICE FOR REGULATING COMBUSTION STABILITY BASED ON AMPLITUDE OF COMBUSTION VIBRATIONS N63-14062 09-26

RECOMBINATION AND DIFFUSION PHENOMENA IN SILICON SEMICONDUCTORS N63-14063 09-25

PINCH EFFECT OF AN AXIAL MAGNETIC FIELD ON A CONTINUOUS FLOW OF PLASMA IN A CONVERGENT-DIVERGENT NOZZLE N63-14612 10-24

AEROTHERMODYNAMICS - TRANSPORT PROPERTY, STRUCTURE AND PROPAGATION N63-14821 11-02

CALCULATION OF TURBULENT BOUNDARY LAYER AND TRANSITION LAYER OF A FLAT PLATE - DETERMINATION OF A CONSTANT FOR FRICTION N63-14822 11-02

PERMEABILITY OF PLASTIC SUBSTANCES TO WATER VAPOR N63-15246 12-19

STRUCTURE OF FERROUS-OXIDE INTERFACE OF IRON AND OXYGEN INSOLUBILITY IN HIGH PURITY IRON N63-15252 12-18

AEROELASTICITY - INERTIA AND STRUCTURAL DAMPING TEST METHODS AND MEASUREMENT OF GENERALIZED MASSES N63-17819 16-33

CHARACTERISTICS OF GYRATORY FLOW OVER CONICAL BODY N63-18831 18-11

MAGNETOHYDRODYNAMICS - POISEUILLE PROBLEM AND SHOCK WAVE PROPAGATION N63-20197 20-24

HIGH TEMPERATURES OBTAINED BY COMBUSTION OF METALS AND ORGANOMETALLIC COMPOUNDS N63-20198 20-26

STRUCTURE OF MAGNESIUM-THORIUM-ZINC-ZIRCONIUM ALLOY - EFFECT OF TEMPERATURE, OXIDATION AND HYDROGENATION N63-20695 21-18

ANISOTROPY, ELASTICITY AND PLASTICITY IN METALS N63-21006 21-19

CONTRIBUTION TO THE LINEARIZED THEORY OF THIN JETS AND CAVITATIONS - CALCULATION OF FLOWS BY RHEOELECTRIC ANALOGY N63-21022 21-11

HYDRAULICS - INVESTIGATIONS IN LIQUID FLOW CHARACTERISTICS N63-21023 21-11

ACTION OF TRANSVERSAL JET IN SUPERSONIC FLOW - GAS INJECTION IN DIVERGENT SUPERSONIC JET

N63-22487 23-02

PROPERTIES OF HOMOLOGOUS SERIES OF FIXED PHASES - GAS CHROMATOGRAPHY OF TARTARIC ACID ESTERS
N63-22488 23-07

FRANCE. OFFICE NATIONAL DETUDES ET DE RECHERCHES AERONAUTIQUES, CHATILLON-SOUS-BAGNEUX.
SHOCK CONDITIONS AND STRUCTURE OF SHOCK WAVES IN A STEADY FLOW OF DISSIPATIVE FLUID
ONERA-105 N63-10739 02-11

WALL TEMPERATURE MEASUREMENTS BY OPTICAL METHODS - THERMOMETRY
ONERA-TR-108 N63-11294 03-15

SOLID PROPELLANTS USING TWO POWDERS HAVING DIFFERENT BURNING RATES IN THE SAME GRAIN
N63-12464 06-26

INTERNAL AND EXTERNAL COMPRESSION STUDIES OF TURBOJET INTAKES AND EXHAUSTS FOR SUPERSONIC TRANSPORT AIRCRAFT N63-12483 06-02

BREATHING VIBRATIONS IN HOMOGENEOUS OR NON-HOMOGENEOUS THIN CYLINDRICAL SHELLS
N63-12484 06-33

SEPARATION CONDITIONS OF LAMINAR BOUNDARY LAYER AT HIGH ALTITUDE AND HYPERSONIC SPEEDS
N63-12485 06-11

VISUALIZATION OF COMBUSTION OF SOLID GRAIN PROPELLANT INSIDE ROCKET ENGINE
N63-12486 06-26

TRANSDUCER FOR VARIABLE PRESSURES IN HIGH TEMPERATURE FLOWS
ONERA-91 N63-12634 06-15

SURFACE IRREGULARITIES IN GLASS FIBERS AND LATERAL CRACK INITIATION
ONERA-TN-70-1962 N63-13526 08-19

HYPERSONIC THEORY OF SMALL PERTURBATIONS AND UNIFORM FLOW CASES
ONERA-107/1962/ N63-13527 08-11

ABELIAN FUNCTION AND AERODYNAMIC APPLICATIONS - POTENTIAL FLOW AND SWEEPBACK FIN, SLENDER BODIES, COMPRESSOR BLADE-TURBINE BUCKET COUPLING
ONERA-109/1962/ N63-13528 08-11

HIGH TEMPERATURE MEASUREMENTS BY OPTICAL METHODS
N63-15329 12-24

SHORT ARC WIND TUNNEL IMPROVEMENT - REVOLVING ARC IN HIGH PRESSURE CHAMBER N63-15331 12-24

INTERPRETATION OF MEASUREMENTS IN ARC-JET WIND TUNNEL - HIGH TEMPERATURE RESEARCH
N63-15337 12-11

BOUNDARY LAYER DEVELOPMENT IN HYPERSONIC NOZZLES AND ENTROPY OF HYPERSONIC FLOW
N63-15338 12-11

SMALL PERTURBATIONS IN HYPERSONIC FLOW - THEORY AND CALCULATION BY SHOCK EXPANSION METHOD - FLOW OVER BLUNT-NOSED BODY N63-15359 12-11

UNSTEADY AERODYNAMIC COEFFICIENT MEASUREMENT IN TRANSONIC FREE FLIGHT
ONERA-TN-69 N63-15677 12-02

MICROSTRUCTURE TESTING OF RESIN POLYMER MECHANICAL PROPERTIES AND RHEOLOGICAL BEHAVIOR
ONERA-TN-71 N63-15739 12-17

AIRCRAFT CONFIGURATION - FLUTTER CALCULATIONS AND CORRECTION - VIBRATION GROUND TEST
ONERA-TN-72 N63-15740 12-33

AEROELASTICITY - INERTIA AND STRUCTURAL DAMPING TEST METHODS AND MEASUREMENT OF GENERALIZED MASSES N63-17819 16-33

FRANCE. SERVICE TECHNIQUE DE L AERONAUTIQUE, PARIS.
AERONAUTICAL FATIGUE - FLIGHT LOADS, FATIGUE TESTING, AIRWORTHINESS, STRUCTURAL MATERIALS, CORROSION, AND CRACK PROPAGATION
N63-22344 23-02

FRANKFORD ARSENAL, PHILADELPHIA, PA.
LIQUID METAL EMBRITTLEMENT OF A COPPER 2 PERCENT BERYLLIUM ALLOY
R-1652 N63-10154 01-18

SEALING OFF GAS FLOW BY AN EXPLOSIVE-OPERATED VALVE
M63-12-1 N63-11190 03-15

PROGRESS IN PROPELLANT ACTUATED DEVICES
N63-12205 05-27

ELECTROLESS NICKEL PLATING - CORROSION RESISTANCE AND THICKNESS DETERMINATIONS
A62-12 N63-12367 06-17

PROPELLANT ACTUATED DEVICES - THRUSTORS, INITIATORS, CATAPULTS, PROPELLANTS
N63-12674 06-27

METALLURGY - NUCLEAR RADIATION - OPTICS - ALLOYS - CRYSTALS N63-13191 07-01

COMPATIBILITY OF LUBRICANTS WITH MISSILE FUELS AND OXIDIZERS - ORGANIC FLUORINE COMPOUNDS
A62-13 N63-13326 08-07

FRIEDEL-CRAFTS REACTION OF FERROCENE WITH PHOSPHORUS TRICHLORIDE TO FORM TRIFERROCENYL-PHOSPHINE
A62-15 N63-13327 08-07

PARTIALLY FLUORINATED ALIPHATIC COMPOUNDS BY REDUCTIVE DESULFURIZATION OF SUBSTITUTED THIOPHENE - ALCOHOL, KETONE
A62-16 N63-13328 08-07

STABILITY OF MAGNESIUM-LITHIUM BASE ALLOY AT HIGH TEMPERATURES DURING TRANSITION PHASE
FA-R-1623 N63-15279 12-18

STABILIZED RED PHOSPHORUS - METHODS FOR DETERMINING COPPER, IRON, ALUMINUM, YELLOW PHOSPHORUS PRESENT IN RED PHOSPHORUS
T63-8-1 N63-15529 12-07

DEVELOPMENT OF RELEASE BOLT, NONFRAGMENTATION
FA-R-1645 N63-16410 14-17

PHOTOELASTIC STUDIES OF DYNAMIC STRESSES IN LOW MODULUS MATERIALS - HIGH SPEED PHOTOGRAPHIC AND POLARISCOPIC TECHNIQUES - STRUCTURAL DYNAMICS
N63-16624 14-33

EMERGENCY CREW ESCAPE SYSTEM USING LOW ENERGY DETONATOR CORD FOR ENERGY TRANSMISSION - PROPELLANT ACTUATED DEVICES
FA-R-1641 N63-17473 15-06

COMPATIBILITY OF GREASE LUBRICANTS WITH LIQUID FUELS AND OXIDIZERS FOR MISSILES
N63-17832 16-17

GOLD, COPPER AND NICKEL PLATING OF INTERFACE ELECTRIC CONTACTS ON MINIATURE PRINTED CIRCUITS
PP-T-9672-1 N63-18087 16-17

FRACTURE TOUGHNESS OF ALUMINUM ALLOYS WETTED WITH LIQUID ZINC AMALGAM
R-1678 N63-19438 19-18

DELAYED FRACTURE OF ALUMINUM ALLOYS BY LIQUID ZINC AMALGAM
FA-R-1677 N63-19662 19-18

PROPELLANT ACTUATED DEVICE /PAD/ TO REDUCE GROUND CONTACT VELOCITY OF AIR DELIVERED CARGO - PARACHUTE SYSTEM
R-1671 N63-21290 21-26

PRODUCTION OF POROUS METAL BODIES - COMPOSITE METAL STRUCTURES

FA-R-1668 N63-21807 22-19

EMERGENCY CONTROL OF BOUNDARY LAYER ON AIRCRAFT WINGS BY PROPELLANT ENERGY
R-1675 N63-22082 22-26

EFFECT OF DIP SOLDERING AT VARIOUS TEMPERATURES & TIMES ON VARIOUS PRINTED CIRCUIT BOARDS & SOLDER-RESIST MATERIALS
PP-T-9672-2 N63-22349 23-09

MACROPARTICLE ACCELERATION WITH SEQUENCED HIGH EXPLOSIVE IMPULSES
FA-M64-5-1 N63-22814 23-23

CARTRIDGE, POWDER ACTUATED CUTTER FOR REEFING LINE CUTTER OF HEAVY DUTY PARACHUTE HARDWARE
FA-R-1685 N63-22815 23-17

EFFECT OF ORIENTATION OF BREAK CONTINUOUS CIRCUITS ON MEASUREMENTS
FA-M64-4-1 N63-22961 23-17

FRANKLIN INST., PHILADELPHIA, PA.
SPONTANEOUS MAGNETIZATION IN SOLID BODIES, MAGNETIC RESONANCE EQUATIONS, FERRITES, NICKEL OXIDE
ASD-TDR-62-375 N63-10877 02-23

STRUCTURAL INTEGRITY OF SHIPPING CONTAINERS FOR RADIOACTIVE MATERIALS - TRANSPORT OPERATIONS AND CONTAINER CONSTRUCTION
NYO-9859 N63-12661 06-34

CHARACTERISTICS OF NONNUCLEAR GAS TURBINES AND COMPRESSORS
NYO-9792 N63-12718 06-06

FLOW AND FRACTURE OF ZONE REFINED TUNGSTEN - DEFORMATION MODES OF TUNGSTEN SINGLE CRYSTALS - INDUCTION-TYPE ZONE-MELTER APPARATUS
Q-B1973-1 N63-13054 07-18

FLOW AND FRACTURE OF INDUCTION ZONE-REFINED TUNGSTEN
Q-B1973-2 N63-13529 08-17

ELECTRON MICROSCOPE AND MAGNETOMETER INVESTIGATION OF STRUCTURAL AND MAGNETIC PROPERTIES OF THIN FERROMAGNETIC FILMS
WADD-TR-60-787, PT. II N63-15797 13-17

HIGH PURITY BERYLLIUM - ZONE REFINING, SINGLE CRYSTAL STUDIES, POLYCRYSTALLINE STUDIES, ELECTRON TRANSMISSION MICROSCOPY AND SELF-DIFFUSION
Q-B1933-5 N63-16795 14-18

PREPARATION OF HIGH-PURITY BERYLLIUM AND EVALUATION OF ITS DEFORMATION AND FRACTURE CHARACTERISTICS
Q-B2089-1 N63-17482 16-07

GAS LUBRICATED BEARINGS FOR HIGH SPEED ROTATING BODIES N63-17865 16-17

EFFECT OF NUCLEATION OF SURFACE TREATMENTS ON FLOW STABILITY AND FRACTURE MECHANICS OF BERYLLIUM
NASA-CR-50420 N63-18411 17-18

NATURAL PILOT MODEL FOR FLIGHT PROFICIENCY EVALUATION IN OPERATIONAL FLIGHT TRAINING - PILOT PERFORMANCE PROFICIENCY MEASUREMENTS
NAVTRADEVCEN-323-1 N63-19088 18-14

EVALUATION OF HIGH PURITY BERYLLIUM
Q-B2089-2 N63-20583 20-18

CYCLIC WORK-HARDENING OF ALUMINUM & COPPER SINGLE CRYSTALS
ARL-63-114 N63-20990 21-25

DEVELOPMENT OF IMPLANTABLE TEMPERATURE TRANSMITTER AND AN ACTOGRAPH FOR COCKROACHES - BIOINSTRUMENTS
N63-21062 21-17

SELF-ACTING, GAS-LUBRICATED, PARTIAL-ARC, FINITE-LENGTH JOURNAL BEARINGS FOR STEADY STATE CONDITIONS N63-22154 22-23

STABILITY OF 360-DEG SELF-ACTING, GAS-LUBRICATED JOURNAL BEARINGS OF INFINITE LENGTH
I-A-2049-20 N63-23051 24-17

SELF-DIFFUSION IN ANTHRACENE SINGLE CRYSTALS BY RADIOACTIVE TRACERS
B2130-T-1 N63-23078 24-07

FREIE U., BERLIN /W. GERMANY/.
RECORD AND WEATHER MAP DETERMINATION OF CORRELATION BETWEEN TOTAL CLOUD AMOUNT AND OBJECTIVE SYNOPTIC PARAMETERS
AFCRL-63-868 N63-21614 22-21

FROST ENGINEERING DEVELOPMENT CORP., DENVER, COLO.
DYNAMICS OF HUMAN RESTRAINT SYSTEMS - IMPACT STUDIES N63-12866 07-16

ANALOG COMPUTER WHICH DETERMINES HUMAN TOLERANCE TO ACCELERATION N63-12869 07-16

FUNDACAO SANTOS DUMONT, SAO PAULO /BRAZIL/.
FOURTH BRAZILIAN CONGRESS ON AERONAUTICS - AVIATION MEDICINE - FLIGHT PERSONNEL N63-16209 13-16

SINUSBAROPATHY - AILMENT CAUSED BY BAROMETRIC VARIATION - PHYSIOLOGICAL EFFECTS OF PRESSURE N63-16210 13-16

IMPORTANCE OF X-RAY CONTROL IN ROUTINE MEDICAL EXAMINATIONS OF FLIGHT PERSONNEL N63-16211 13-16

X-RAY EXAMINATION OF PARANASAL MEMBRANES FOR SELECTION AND HEALTH CONTROL OF FLIGHT PERSONNEL N63-16212 13-16

COMPULSORY PERIODIC MEDICAL EXAMINATION OF FLIGHT ATTENDANTS N63-16213 13-16

OPERATIONAL FATIGUE IN FLIGHT PERSONNEL - ETIOPATHOLOGY AND PREVENTION N63-16214 13-16

AIR TRANSPORTATION OF CHILDREN, PREGNANT WOMEN AND SICK PERSONS - AIR SICKNESS N63-16215 13-16

VALUE OF PROFESSIONAL GUIDANCE IN TRAINING OF FLIGHT PERSONNEL N63-16216 13-14

DETERMINATION OF BLOOD UREA COUNT DURING PERIODIC PHYSICAL EXAMINATIONS OF FLIGHT PERSONNEL N63-16217 13-14

DIET PROBLEMS OF FLIGHT PERSONNEL N63-16218 13-16

GOVERNMENTAL ORGANIZATIONS OF BRAZIL, ENGLAND, AND GERMANY FOR CIVIL AND COMMERCIAL AVIATION N63-20173 20-22

FUNDAMENTAL METHODS ASSOCIATES, INC., NEW YORK, N.Y.
FABRICATION OF SEMICONDUCTOR DEVICES BY NEUTRON TRANSMUTATION DOPING N63-14216 09-25

ACTIVE METEOROID SHIELDING FOR SPACE VEHICLES
ASD-TDR-63-537 N63-21437 22-29

G

GARBELL RESEARCH FOUNDATION, SAN FRANCISCO, CALIF.
THEORIES OF GRAVITATION N63-22839 23-23

GARRETT CORP., LOS ANGELES, CALIF.
VORTEX MAGNETOHYDRODYNAMIC GENERATOR - ELECTRIC POWER FROM SEEDED COMBUSTION GAS MIXTURE
ASD-TDR-62-459 N63-14775 11-24

POTASSIUM BOILING FOR HIGH TEMPERATURE HEAT TRANSFER - LIQUID METAL COOLED REACTORS & LITHIUM HYDRIDE HANDLING FOR SOLAR HEAT RECEIVER N63-15011 11-13

DESIGN TECHNOLOGY FOR CENTRIFUGAL PUMPS FOR FLIGHT VEHICLE POWER TRANSMISSION SYSTEMS
AAC-4434 N63-20670 20-17

GARRETT CORP., PHOENIX, ARIZ.
ANALYSIS OF GROUND EFFECT MACHINE CONTROL WITH SIX-DEGREES-OF-FREEDOM
AP-5061-R N63-12241 05-04

OPTIMUM DESIGN OF DUCT AND FAN SYSTEMS FOR GROUND EFFECT MACHINE PROPULSION
AP-5062-R N63-12242 05-27

ENVIRONMENTAL TESTING OF HORIZONTAL VIBRATION USING GREASE TO LUBRICATE SLIDING PLATE
N63-16774 14-10

GENERAL AMERICAN TRANSPORTATION CORP., NILES, ILL.
WASTE DISPOSAL SYSTEM FOR 3-MAN AEROSPACE MISSION
AMRL-TDR-63-4 N63-15448 12-16

CARBON DIOXIDE REDUCTION SYSTEM FOR CLOSED ECOLOGICAL SYSTEM
GATC-MR-1163-50 N63-15925 13-16

GENERAL APPLIED SCIENCE LABS., INC., WESTBURY, N.Y.
COLLISION FREQUENCY EFFECTS ON SCATTERING CROSS SECTIONS OF CYLINDRICAL PLASMA CONFIGURATIONS WITH RADIALLY VARYING ELECTRON DENSITY
N63-10732 02-24

HEAT TRANSFER DUE TO INTERACTION BETWEEN A SWEPT PLANAR SHOCK WAVE AND A LAMINAR BOUNDARY LAYER
N63-11072 03-13

EXPERIMENTAL RESULTS OF SUPERSONIC COMBUSTION IN SHOCK TUNNEL - AIR AND HYDROGEN
N63-12097 05-26

AXIAL VARIATION OF ELECTRON DENSITY IN LAMINAR WAKE OF A TEST SPHERE
GASL-TM-76 N63-13019 07-11

FINITE DIFFERENCE METHOD SOLUTION OF LAMINAR HYPERSONIC NONEQUILIBRIUM WAKES
GASL-TR-338 N63-13116 07-11

REENTRY TRAJECTORY CALCULATION, FLOW FIELD ABOUT BLUNTED NINE-DEGREE CONE
GASL-TR-256 I N63-13452 08-02

FLOW FIELD OF BLUNTED 9-DEGREE CONE - DOWNSTREAM AND SHOCK LAYER INVISCID FLOW AND FAR WAKE LAMINAR FLOW OF TRAILBLAZER II REENTRY BODY
GASL-TR-256 II N63-13453 08-02

LAMINAR WAKE PROPERTIES INCLUDING CHEMICAL-DIFFUSIVE COUPLING
GASL-TR-282 N63-13454 08-07

SUPERSONIC FLOW FIELD OF AN AEROBALLISTIC PELLET - VELOCITY, PRESSURE, WAKE AND RATE CHEMISTRY EFFECTS ON ELECTRON DENSITY - COMPUTER PROGRAM
GASL-TR-292 N63-13455 08-07

RATE CHEMISTRY EFFECTS ON HYPERSONIC FLOW OF AXISYMMETRIC WAKES
GASL-TR-180 N63-13476 08-07

FLOW FIELD OF TRAILBLAZER I BLUNT BODY UNDER REENTRY CONDITIONS
GASL-TR-231 N63-13477 08-02

PROGRAMMING CHEMICAL KINETICS FOR INVISCID AIR FLOW ABOUT BLUNT BODY AT HYPERSONIC SPEED
GASL-TR-246 N63-13478 08-11

IMPROVED HYPERSONIC LAMINAR WAKE CALCULATIONS INCLUDING RATE CHEMISTRY - COMPUTER PROGRAMS
GASL-TR-249 N63-13479 08-11

EFFECTS OF LAMINAR BOUNDARY LAYER ON STRUCTURE OF FLOW FIELD - EQUILIBRIUM
GASL-TR-182 N63-13483 08-11

VISCOUS SHOCK LAYER FLOW OVER BLUNT BODIES
GASL-TR-337 N63-13550 08-11

THERMAL AND PRESSURE-INDUCED STRESSES IN THICK, BLUNT-NOSED SHELLS OF REVOLUTION OF ONE OR TWO LAYERS OF CONSTANT THICKNESS
GASL-TR-284 N63-13701 08-33

PLANE ELECTROMAGNETIC WAVE SCATTERING BY PLASMA CYLINDER, SMALL AXIAL GRADIENTS, ARBITRARY RADIAL GRADIENTS OF ELECTRON DENSITY-NORMAL INCIDENCE
GASL-TR-317 N63-14608 10-24

LAMINAR AND TURBULENT WAKE CALCULATIONS FOR NOL TEST SPHERE
GASL-TM-76-A N63-15617 12-11

LINEARIZED VISCOUS-FREE MIXING WITH STREAMWISE PRESSURE GRADIENT
GASL-TR-358 N63-21265 21-11

FAR FIELD MEASUREMENTS OF AXISYMMETRIC JET USING NONCONVECTING ULTRASONIC SOURCE LOCATED ON JET AXIS
N63-21820 22-11

GENERAL ATRONICS CORP., WEST CONSHOHOCKEN, PA.
ACCURACY OF SIMULTANEOUS ESTIMATES OF RANGE AND DOPPLER
RADC-TDR-63-306 N63-21230 21-09

GENERAL DYNAMICS/ASTRONAUTICS, COCOA BEACH, FLA.
CHECKOUT OF MERCURY CAPSULE AND ATLAS ROCKET FOR FRIENDSHIP 7 SPACECRAFT FLIGHT
N63-17660 16-31

GENERAL DYNAMICS/ASTRONAUTICS, SAN DIEGO, CALIF.
INFRARED HORIZON SCANNING BY ROCKETBORNE RADIOMETER
AFCRL-62-1001 N63-10069 01-12

SATELLITE BOOSTER CONTROL N63-10390 01-31

SPATIAL FILTERING N63-10399 01-08

TABLES OF BLACK-BODY RADIATION GIVING SPECTRAL RADIANT INTENSITY OF BLACK-BODY RADIATOR
AE62-0862 N63-10668 02-28

DESIGN STRENGTH LEVELS FOR THE ELASTIC STABILITY OF MONOCOQUE CONES UNDER AXIAL COMPRESSION
N63-10809 02-34

INSTABILITIES IN A GAS-TRIGGERED COAXIAL PLASMA GUN
ARS PAPER-2665-62 N63-11269 03-11

INVISCID AND VISCOUS HYPERSONIC NOZZLE FLOW WITH FINITE RATE CHEMICAL REACTIONS
AEDC-TDR-63-18 N63-11627 04-11

LOW ENERGY ELASTIC AND INELASTIC COLLISION OF ELECTRONS AND MOLECULES WITH NEUTRAL PARTICLES
AE63-0006 N63-11866 04-23

VIBRATIONS IN UNIFORM BEAM-COLUMNS BY TIMOSHENKO THEORY - EQUATIONS OF MOTION FOR BOOSTER VEHICLES
ERR-AN-110 N63-11918 04-33

MICROWAVE SCATTERING FROM WAKES OF HYPERVELOCITY PROJECTILES - ANALYTICAL METHODS
AE-62-0218-M N63-12107 05-24

LAUNCH VEHICLE RELIABILITY IMPROVEMENT PROGRAM
AOL-62-0049-1 N63-13925 09-17

NUMERICAL ANALYSIS OF SMALL FINITE AXISYMMETRIC DEFORMATION OF THIN SHELLS OF REVOLUTION
ERR-AN-153 N63-13964 09-20

POSSIBLE CAUSALITY OF RADIATION OVERSHOOTS IN WAKE OF PROJECTILE BY DECREASING TEMPERATURE - HYDROCARBON ABLATORS
AE62-0814 N63-13969 09-30

VIBRATION TESTING OF LIQUID OXYGEN PROPELLANT DUCT
N63-14122 09-27

JET BLAST EFFECT ON DUST COVERED SURFACE IN VACUUM ENVIRONMENT
ERR-AN-244 N63-15216 11-11

HIGH TEMPERATURE SPECTRAL EMISSIVITIES OF WATER VAPOR
BBE63-002 N63-15369 12-26

PRINCIPLES OF METEOROID PROTECTION - SUMMARY OF HYPERVELOCITY IMPACT DATA

AE62-0413 N63-16028 13-34

AUTOMATIC PROCESSING OF TIROS METEOROLOGICAL SATELLITE DATA - WEATHER MAPPING BY PHOTOGRAPH ANALYSIS
AFCRL-TDR-63-243 N63-16265 13-21

RADIAL ELECTRON DISTRIBUTION IN WAKES OF HYPERVELOCITY PROJECTILES
BBE63-001 N63-16313 13-24

INTENSITY OF MOLECULAR BAND INFRARED RADIATION OF HIGH TEMPERATURE GASES USING REFLECTED SHOCK WAVES - CARBON DIOXIDE
GDA63-0240 N63-17457 15-11

CRACK PROPAGATION IN HIGH STRENGTH SHEET METAL ALLOYS
MRG-286 N63-17721 16-33

ATMOSPHERIC RADIATION - PROBABILITY DISTRIBUTION OF BACKGROUND RADIATION FROM SPATIAL FILTER DETECTOR DATA N63-18483 17-08

THERMOPHYSICAL PROPERTIES OF PLASTICS & COMPOSITE MATERIALS AT CRYOGENIC TEMPERATURES
BVJ-63-001-4 N63-19019 18-19

PARTICLE INTERACTIONS WITH SOLID SURFACES - MEASUREMENTS USING MOLECULAR BEAM TECHNIQUES
GDA-63-0592 N63-19872 19-23

NONEQUILIBRIUM PLASMA FLOW, MICROWAVE RADIATION, AND BACKSCATTERED RADIATION ASSOCIATED WITH REENTRY PHYSICS
GDA-63-0173 N63-20292 20-13

HIGH TEMPERATURE EMISSIVITY SPECTRA OF WATER VAPOR-CARBON DIOXIDE MIXTURES IN 2.7 MICRON REGION
GDA-63-0785 N63-20597 20-26

RELIABILITY & QUALITY CONTROL REQUIREMENTS FOR ATLAS ICBM-STANDARD LAUNCH VEHICLE-3
GDA-63-0436 N63-21031 21-30

GAS DYNAMICS - MOLECULAR BEAMS AND SURFACE INTERACTIONS N63-21574 22-23

RAREFIED GAS DYNAMICS - PERTURBATIONS OF AMBIENT MEDIUM BY MOTION OF SATELLITE OR HYPERVELOCITY VEHICLE N63-21588 22-29

NEXUS LAUNCH VEHICLE - OPERATIONAL LIFE, CHEMICAL CONCEPT AND COST CONSIDERATIONS
AIAA PAPER-63-277 N63-21736 22-31

ENVIRONMENTAL EXPOSURE EFFECT ON COATED REFRACTORY ALLOYS AND UNCOATED SUPERALLOYS WITH FOIL GAUGE EMPHASIS
GD/A-63-0817 N63-21859 22-18

CENTAUR PROJECT - ZERO-G PROBLEM - LABORATORY, AIRCRAFT AND BALLISTIC MISSILE TESTS
NASA-CR-51278 N63-21913 22-33

BIBLIOGRAPHY - CENTAUR PROJECT
NASA-CR-51963 N63-22685 23-32

BIBLIOGRAPHY - CENTAUR PROJECT
NASA-CR-51964 N63-22702 23-32

OPTIMUM MATERIALS FOR CRYOGENIC FUELED RECOVERABLE AEROSPACE VEHICLES
ASD-TDR-63-798 N63-22903 23-18

METEOROID HAZARD EFFECT ON SPACECRAFT DESIGN
ERR-AN-167 N63-23128 24-29

DIFFERENTIAL EQUATIONS FOR DETERMINING STRESS AND DISPLACEMENT IN UNSYMMETRICALLY LOADED CONICAL SHELLS
ERR-AN-080 N63-23130 24-33

GASES AND SOLIDS AS CATALYSTS FOR OXYGEN ATOM RECOMBINATION
AEDC-TDR-63-239 N63-23502 24-23

GENERAL DYNAMICS/CONVAIR, SAN DIEGO, CALIF.
FATIGUE OF METALS AND STRUCTURES - EFFECT OF STRESS
GDC-62-55A N63-14023 09-33

SUBSONIC, TURBULENT MIXING OF TWO COAXIAL JETS UNDER CONSTANT PRESSURE - DESIGN OF CONSTANT PRESSURE MIXING TUBES - MOMENTUM TRANSPORT THEORY
GD/C-62-354A N63-16682 14-11

FLAPPED HYDROFOIL OSCILLATION IN WAVES - SUBCAVITATION FLOW
GD/C-63-032 N63-18110 16-11

LITTLE JOE II LAUNCHER UMBILICAL RETRACTION TEST
SL-63-033 N63-18188 16-30

SUPERCAVITATING HYDROFOIL FLUTTER PHENOMENA
GDC-63-132A N63-19672 19-33

SOLID STATE DC TO DC CONVERTER AND RADIO INTERFERENCE FILTER
GD/C-63-179 N63-21296 21-09

OVER-WATER LOADS & MOTIONS OF ANNULAR JET & SIDE SKEG GROUND EFFECTS MACHINES
ZH-150 N63-21417 22-04

ICING TUNNEL TEST RESULTS OF C-141 HORIZONTAL STABILIZER CYCLIC ELECTRICAL DE-ICING SYSTEM
T-66-7 N63-21822 22-06

DYNAMIC THRUST LOAD EFFECT ON STRUCTURAL INTEGRITY OF LITTLE JOE THRUST BULKHEAD
DF-12-111 N63-23555 24-33

AERODYNAMIC CHARACTERISTICS OF GROUND-EFFECT TAKE-OFF AND LANDING /GETOL/ AIRCRAFT
GDC-62-370 N63-23622 24-04

STABILITY ANALYSIS OF LITTLE JOE II
DC-12-011 N63-23770 24-04

GENERAL DYNAMICS CORP., GROTON, CONN.
LIQUID-GAS CONTACTOR FOR PHOTOSYNTHETIC GAS EXCHANGERS
AMRL-TDR-62-101 N63-10610 02-16

ENGINEERING MODEL PHOTOSYNTHETIC GAS EXCHANGER
N63-11468 03-16

ANIMAL NUTRITION STUDIES - CHLORELLA, SPACE FOOD
N63-11483 03-16

INORGANIC SUPEROXIDES - HISTORY, PREPARATION, AND STRUCTURE - AIR REGENERATIVE PROPERTIES
NASA-CR-50124 N63-16733 14-07

INORGANIC OZONIDES - AREAS OF RESEARCH
NASA-CR-50118 N63-17337 15-07

SHELL MODE COUPLING - DETERMINATION OF MODE SHAPE, TRANSFER AND POINT IMPEDANCE, AND NATURAL FREQUENCY OF CYLINDERS AND CONES
U411-63-005 N63-18271 17-23

GENERAL DYNAMICS CORP., SAN DIEGO, CALIF.
MASS OF HIGH VELOCITY GASES FROM TOROIDAL IMPLOSION CHARGES - NUCLEAR PULSE PROPULSION
GAMD-3629 N63-10124 01-27

SELECTION OF THERMIONIC CATHODES FOR REACTOR TESTS
ARS PAPER-2550-62 N63-10269 01-06

FLAT-PLATE SOLAR THERMOELECTRIC CONVERSION PANELS
GA-2823 N63-10438 01-06

ANALYSIS OF IONIZED GASES - MASS SPECTROMETRY
GA-3358 N63-10676 02-23

MEASUREMENTS OF ATMOSPHERIC ION REACTIONS
GA-3351 N63-10677 02-15

BOUNDARY CONDITIONS AT AN ABLATING SURFACE - HYDRODYNAMICS
GAMD-3639 N63-11172 03-11

HIGH ENERGY NEUTRON-INDUCED CHANGES IN CARBON AND GRAPHITE
GA-2802 N63-12139 05-23

CHARGE STATES OF RECOIL ATOMS
GA-3873 N63-13231 07-23

URANIUM AND ZIRCONIUM CARBIDE CATHODES FOR THERMIONIC SPACE REACTORS - VAPOR LOSS, DIFFUSION RATE AND THERMOCONDUCTIVITY
GA-2670 N63-13785 08-06

ABUNDANCES OF THE FOURTEEN RARE EARTH ELEMENTS PLUS YTTRIUM AND SCANDIUM IN METEORITES
GA-3961 N63-14103 09-29

USE OF MECHANICAL CHOPPER AND PULSED LINEAR ACCELERATOR TO STUDY, BY VELOCITY SELECTION, NEUTRON INELASTIC SCATTERING
GA-3409 N63-14189 09-23

KINETICS OF VAPORIZATION BELOW THE CRITICAL POINT
GA-3633 N63-14208 09-11

HYDRODYNAMICS OF HYPERVELOCITY IMPACT
GA-3827 N63-14302 10-11

HEAT TRANSFER CONTROL BY MASS TRANSFER FOR PERMANENT STRUCTURES - SURFACE COOLING
N63-16059 13-13

PROTOTYPE HIGH TEMPERATURE GAS COOLED REACTOR - MATERIALS SCIENCE, REACTOR CORE, REFLECTOR, CONTROL ROD DRIVES
GA-3676 N63-16418 14-15

RARE EARTH, YTTRIUM, AND SCANDIUM ABUNDANCES IN METEORITIC AND TERRESTRIAL MATTER
GA-4221 N63-16779 14-12

ABUNDANCE OF RARE-EARTH ELEMENTS, SCANDIUM, AND YTTRIUM IN SOLAR SYSTEM - METEORITIC MATTER AND EARTH CRUST
GA-3859 N63-16885 14-18

PROCESS FOR MAKING GRAPHITE LESS PERMEABLE TO GASES AT HIGH TEMPERATURES
GA-2318 N63-17077 15-17

INTEGRAL NEUTRON THERMALIZATION - NUCLEAR PHYSICS, ACCELERATORS, AND SCATTERING
GA-3542 N63-17257 15-23

COPPER OXIDATION IN NUCLEAR REACTOR - IRRADIATION EFFECTS
GA-3349 N63-17428 15-07

MECHANICAL PROPERTIES OF REACTOR MATERIALS - BODY CENTERED CUBIC METALS, DEFORMATION ENERGY SPECTRUM, DISLOCATION DYNAMICS
GA-3585 N63-17436 15-18

DIGITAL COMPUTER PROGRAM FOR ANALYSIS OF THERMIONIC DIODES
GA-4147 N63-17814 16-09

ELECTRON COLLISION WITH ATOMIC AND MOLECULAR OXYGEN
GA-4313 N63-17961 16-11

RESONANCE ABSORPTION OF NEUTRONS IN THORIUM
GA-3125 N63-18020 16-23

CARBIDES AS NUCLEAR HEATED THERMIONIC CATHODES
GA-3007 N63-18048 16-23

NEUTRON THERMALIZATION - TRANSPORT THEORY AND SPECTRA OF ZIRCONIUM HYDRIDE AND POLYETHYLENE
GA-3853 N63-18126 16-23

COLLISION BETWEEN HELIUM ION AND OXYGEN MOLECULE
GA-3503 N63-18801 18-12

PHYSICAL, THERMAL, AND MECHANICAL PROPERTY MEASUREMENT TECHNIQUES FOR LOW PERMEABILITY GRAPHITE FOR REACTOR FUEL APPLICATIONS
GA-3559 N63-19001 18-17

PITCH BINDER FOR GRAPHITE-BASED FUELS AND ROCKET PROPELLANTS
GA-3985 N63-19135 18-07

THORIUM & URANIUM DICARBIDE FUEL PARTICLE FOR HIGH TEMPERATURE GAS-COOLED REACTOR
GA-2881 N63-19234 18-11

CONSTRUCTION OF 40-MW-E PROTOTYPE POWER PLANT EMPLOYING HIGH TEMPERATURE GAS COOLED REACTOR
GA-3396 N63-19296 18-11

IRRADIATION BEHAVIOR OF BERYLLIUM OXIDE-URANIUM DIOXIDE NUCLEAR FUEL AS A FUNCTION OF FUEL PARTICLE SIZE
GA-4138 N63-19299 18-22

CROSS SECTIONS FOR CHARGE TRANSFER BETWEEN OXYGEN ATOMS AND OXYGEN AND HYDROGEN IONS IN A CROSSED BEAM OF ENERGY - 140 TO 10000 ELECTRON VOLTS
GA-4332 N63-19342 18-22

CHARGE EXCHANGE REACTION BETWEEN TWO COLLIDING CHARGED PARTICLES
GA-4322 N63-19599 19-23

NUCLEAR RADIATION EFFECTS IN IMPACT DETECTOR, TRIGGER CIRCUIT AND DIRECT CURRENT AMPLIFIER
GA-4395 N63-20017 19-09

MULTIGROUP NEUTRON-DIFFUSION EQUATIONS IN TWO DIMENSIONS & GROUP SCATTERING FOR IBM-7090 FORTRAN II SYSTEM SOLUTION
GA-4246 N63-20942 21-20

EIGENVALUE METHOD FOR CALCULATION OF NUCLEAR REACTOR BURNUP
GA-4140 N63-20951 21-20

EFFECT OF PULSED GAMMA RADIATION ON INFRARED DETECTORS
GA-2984 N63-21217 21-23

CARBIDE CATHODES FOR THERMIONIC EMITTERS AND RADIATORS FOR SPACE APPLICATION
NASA-CR-51030 N63-21485 22-09

GAS DYNAMICS - GAS-SURFACE INTERACTIONS USING MODULATED ATOMIC BEAM N63-21580 22-23

CODE FOR COMPUTATION OF THERMAL NEUTRON SPECTRA AND MULTIGROUP CONSTANTS
GA-4132 N63-21704 22-23

CHARGE TRANSFER AND ION-ATOM INTERCHANGE COLLISIONS ABOVE THERMAL ENERGIES
GA-4506 N63-22425 23-11

THIN CALORIMETER AS DOSIMETER FOR INTENSE PULSED RADIATION
GA-4497 N63-23136 24-15

GENERAL DYNAMICS/ELECTRONICS, ROCHESTER, N.Y.

ROLE OF CRYSTAL GROWTH IN FORMATION OF PLANETS, COMETS AND ASTEROIDS N63-21388 22-05

HIGH CAPACITY COMMUNICATIONS SYSTEM FOR TELEPHONE NETWORK
RADC-TDR-63-358 N63-22405 23-08

GENERAL DYNAMICS/FORT WORTH, TEX.

PROCEDURE FOR CALCULATING RADIATION EXPOSURE ON SPACE MISSIONS N63-10375 01-29

LARGE SHELL STRUCTURE DESIGN PROBLEMS - SANDWICH CONSTRUCTION NOSE CONES N63-10811 02-34

INVESTIGATION OF COMBINED EFFECTS OF RADIATION AND VACUUM ON STRUCTURAL MATERIALS FOR NUCLEAR SPACECRAFT COMPONENTS - MATERIALS SCIENCE
FZK-147 N63-15057 11-19

SECONDARY-EMISSION DOSE CONTRIBUTIONS INDUCED BY SOLAR PROTON RADIATION - SPACECRAFT SHIELDING
N63-15142 11-16

ESTIMATION OF SPACE RADIATION EXPOSURE DURING LUNAR MISSION - SPACECRAFT SHIELDING
N63-15152 11-32

SPACECRAFT SHIELDING BY MAGNETIC FIELDS
N63-15155 11-32

SPACECRAFT SHIELDING - CALCULATION METHODS FOR

ACTIVE AND PASSIVE SHIELDS N63-15156 11-32

COMBINED EFFECTS OF RADIATION AND VACUUM, AND OF RADIATION AND CRYOGENIC TEMPERATURE ON ENGINEERING MATERIALS
FZK-152 N63-15349 12-19

HIGH TEMPERATURE RESEARCH FACILITY - ELECTRIC ARC PLASMA HEATED HYPERSONIC WIND TUNNEL
AT-7 N63-15376 12-10

MEASURED EFFECTS OF VARIOUS COMBINATIONS OF NUCLEAR RADIATION, VACUUM, AND CRYOTEMPERATURES ON COMPONENT PARTS OF NUCLEAR-POWERED SPACECRAFT
FZK-163 N63-16677 14-33

LUBRICATION SYSTEM REQUIREMENTS FOR ADVANCED SPACE VEHICLES AND AIRCRAFT N63-17831 16-17

INTERMETALLIC PROTECTIVE COATING FOR TANTALUM AND NIOBIUM ALLOYS SUBJECTED TO REENTRY VEHICLE ENVIRONMENT - REFRACTORY METAL
NASA-CR-50540 N63-18416 17-17

HYPERTHERMAL RESEARCH FACILITY FOR NOZZLE ABLATION TESTING AND SIMULATION OF REENTRY THERMAL ENVIRONMENT
NASA-CR-50441 N63-19075 18-10

HOT FLOW CHARACTERISTICS OF POLYETHYLENE AFTER EXPOSURE TO NUCLEAR RADIATION
NARF-63-IT N63-19439 19-19

LONG TIME INTERMITTENT CREEP OF STAINLESS STEELS & REFRACTORY ALLOYS
FPR-007 N63-20281 20-18

MATERIALS FOR ELECTRONIC SYSTEMS OF HYPERSONIC SPEED VEHICLE N63-20956 21-17

OPTIMIZATION OF MANGANESE CONTENT OF BRAZING ALLOY TO INCREASE LAP SHEAR STRENGTH, CORROSION RESISTANCE, & BRAZEABILITY
ERR-FW-178 N63-20957 21-18

EMBRITTLEMENT RELIEF TREATMENT FOR ELECTROLESS NICKEL PLATED STEEL AND TOOL STEEL
FTDM-3013 N63-21010 21-18

ACID CLEANING EFFECTS ON MECHANICAL PROPERTIES OF 17-4 PH STEEL - PROCESS CONTROL
PCTR-4577 N63-21011 21-18

MECHANICAL PROPERTIES OF AUSTENITIC STEEL CONDITIONED AT 1200-DEG F
PCTR-4594 N63-21012 21-13

USING ULTRAHIGH PRESSURE IN MATERIALS SCIENCE LABORATORIES
ERR-FW-192 N63-21029 21-23

MATHEMATICAL ANALYSIS OF BONDED JOINT STRENGTH
ERR-FW-130 N63-21030 21-33

EFFECT OF NUCLEAR RADIATION AND VACUUM ON PHYSICAL PROPERTIES OF NONMETALLIC MATERIALS
NASA-CR-50948 N63-21066 21-23

NONMETALLIC SPACECRAFT MATERIAL TEST PROGRAM - HIGH VACUUM, NUCLEAR RADIATION, DYNAMIC TENSILE STRENGTH & TEST MACHINES
NASA-CR-50987 N63-21070 21-19

UNCONVENTIONAL POLYMERIZATION TECHNIQUE AND BORON SEMI-INORGANIC POLYMERS - PROPERTIES
ERR-FW-124 N63-21117 21-19

PROTECTION OF FUSELAGES AND WINDSHIELDS BY AN INTERLAYER SATURATED WITH GASES
FGT-3023 N63-21307 21-11

CHARPY IMPACT STRENGTH OF F-111 STEEL
FTDM-3130 N63-21308 21-18

NUCLEAR RADIATION AND CRYO-TEMPERATURE - COMBINED EFFECT ON NONMETALLIC SPACECRAFT MATERIALS
NASA-CR-31140 N63-21332 21-19

STRESS CORROSION RESISTANCE OF STAINLESS STEEL MATERIAL HEAT TREATED TO SPECIFIC STRENGTH LEVELS
FTDM-2979 N63-21648 22-18

HIGH TEMPERATURE EXPOSURE EFFECTS ON MOLYBDENUM AND STAINLESS STEEL BRAZED JOINTS
FGT-2868 N63-21707 22-33

INFLATION STABILITY TESTS ON SUPERSONIC POROUS PARACHUTES USING AXISYMMETRIC FLOW ANALYSIS - DECELERATORS N63-23318 24-02

MEASURED EFFECTS OF THE VARIOUS COMBINATIONS OF NUCLEAR RADIATION, VACUUM, AND CRYOTEMPERATURES ON ENGINEERING MATERIALS
NASA-CR-52319 N63-23807 24-19

GENERAL DYNAMICS/POMONA, CALIF.
HIGH TEMPERATURE STUDY OF ANELASTICITY OF TANTALUM AND NIOBIUM
ASD-TDR-62-323 N63-15034 11-17

HIGH SPEED WIND TUNNEL TEST OF TARTAR/TERRIER MISSILE - TAIL FIN OSCILLATION IN TRANSONIC FLOW
TM-348-33.6-11 N63-16747 14-03

RELIABILITY TESTING - TEST-TO-FAILURE OF ELECTRONIC COMPONENTS N63-17274 15-33

HUMAN FACTORS ANALYSIS OF VOICE COMMUNICATIONS PRACTICES IN AIR TRAFFIC CONTROL
TM-339-84 N63-22785 23-14

GENERAL ELECTRIC CO., CINCINNATI, OHIO.
HIGH-TEMPERATURE MATERIALS PROGRAM - OXIDATION RESISTANT FUEL, REACTORS, RADIATION EFFECTS
GEMP-17A N63-10103 01-18

METALLIC FUEL ELEMENT MATERIALS
APEX-913 N63-10157 01-18

ROLL-FORMED TUNGSTEN NOZZLE COMPONENTS
N63-10169 01-17

ALKALI METAL TWO-PHASE HEAT TRANSFER FOR SPACE POWER SYSTEMS
ARS PAPER-2547-62 N63-10267 01-06

DETERMINATION OF OXYGEN IN LIQUID ALKALI METALS
DM-62-238 N63-10549 01-07

NUCLEAR REACTOR INSTRUMENTATION AND CONTROL
GEMP-75 N63-10614 02-15

RADIATION EFFECTS IN BERYLLIUM OXIDE
GEMP-18A N63-11211 03-18

LIFT FAN FLIGHT RESEARCH AIRCRAFT PROGRAM - PROPULSION AND VZ-II AIRCRAFT
N63-12031 05-04

REFRACTORY MATERIALS RESEARCH - VAPORIZATION AND EMISSIVITY OF INTERSTITIAL BORIDES AND NITRIDES
N63-12177 05-18

HIGH TEMPERATURE REACTOR MATERIALS - STRESS-RUPTURE TESTS - RADIATION EFFECTS
GEMP-19A N63-12493 06-33

HIGH TEMPERATURE MATERIALS AND REACTOR COMPONENT DEVELOPMENT PROGRAMS - VOL III, REACTOR CONTROLS, INSTRUMENTATION, FASTENERS, MONTE CARLO METHOD
GEMP-177C N63-13428 08-15

LOW VISCOSITY LUBRICANTS AND BEARING STABILITY IN SPACE ENVIRONMENT N63-13677 08-17

LOW VISCOSITY BEARING STABILITY IN HIGH SPEED TURBOMACHINERY AND SPACE POWER SYSTEMS
N63-13678 08-17

TWO PHASE HEAT TRANSFER DATA FOR SODIUM AND POTASSIUM UNDER CONDITIONS OF BOILING AND CONDENSING N63-13958 09-18

COMPUTER PROGRAMS ON COLLISION CASCADES IN BINARY MATERIALS - SQUARE PLANAR LATTICE
GEMP-192 N63-14651 10-20

ALKALI METAL BOILING & CONDENSING FOR HIGH

TEMPERATURE HEAT TRANSFER - LIQUID METAL COOLED REACTORS
N63-15010 11-13

HIGH TEMPERATURE MATERIALS FOR REACTOR
GEMP-9A
N63-15201 11-18

TURBOMACHINERY BEARING CONFIGURATIONS - TESTS FOR LONG TERM, UNATTENDED OPERATION WITH LOW VISCOSITY LUBRICANTS IN SPACE ENVIRONMENT
N63-15249 12-17

SPACECRAFT POWER SUPPLY AND PROPULSION SYSTEM INTEGRATION
N63-15681 12-27

ARC JET PROPULSION SYSTEM IN PERFORMANCE OF SATELLITE DISTRIBUTION, MAINTENANCE, AND REPAIR FUNCTIONS
DM 62-126
N63-15682 12-27

REFRACTORY MATERIALS STUDY - BORIDE EFFUSION, MATRIX ISOLATION OF VAPORS OVER ZIRCONIUM OXIDE, RESONANCE LINE ABSORPTION, AND GRAPHITE EMISSIVITY
N63-15728 12-23

HIGH TEMPERATURE REACTOR MATERIALS FABRICATION AND EFFECT OF RADIATION ON HIGH TEMPERATURE ALLOYS
GEMP-21A
N63-15755 12-18

RADIATION EFFECTS ON HIGH TEMPERATURE REACTOR COMPONENT MATERIALS - FUEL MATERIALS - IRRADIATION OF FUEL ELEMENT
GEMP-177A
N63-15756 12-18

HIGH TEMPERATURE FASTENERS - STRESS RELAXATION PROPERTIES
GEMP-186
N63-15934 13-33

NUCLEAR REACTOR INSTRUMENTATION AND CONTROL, SWITCHING CIRCUIT, AND PROBE-TYPE TEMPERATURE SENSORS
GEMP-76
N63-16355 14-06

HIGH TEMPERATURE MATERIAL - RADIATION EFFECTS
GEMP-22A
N63-16596 14-23

CARBONIZATION OF PLASTICS, VAPOR PRESSURE AND SPECTRAL EMITTANCE OF REFRACTORY MATERIALS
WADD-TR-60-646, PT. II
N63-17431 15-07

ELECTRONICS OF PLASMA ARC JET ENGINES
N63-17517 16-27

HIGH TEMPERATURE REACTOR MATERIAL - STRESS-RUPTURE MOLYBDENUM, TANTALUM, TUNGSTEN - RADIATION EFFECTS
GEMP-23A
N63-17554 16-33

COLLISION CASCADES OF INJECTED ATOM IN WURTZITE STRUCTURE OF BERYLLIUM OXIDE - COMPUTER PROGRAM
GEMP-200
N63-17702 16-25

REACTOR INSTRUMENTATION AND CONTROL
GEMP-77
N63-17736 16-15

LUBRICANTS FOR SUPERSONIC JET AND ROCKET ENGINES
N63-17830 16-17

XV-5A AIRCRAFT - PROPULSION SYSTEM AND STRUCTURAL ENGINEERING
N63-18138 16-33

NIOBUM BASE ALLOY AS ALKALI METAL CONTAINMENT MATERIAL FOR NUCLEAR TURBOELECTRIC SPACE POWER SYSTEMS
NASA-CR-50339
N63-18397 17-18

IMPROVING THERMAL FATIGUE AND STRESS RUPTURE LIFE OF FIRST STAGE TURBINE BLADES OF J-79-5 ENGINE
R63FPD146
N63-18837 18-33

HIGH TEMPERATURE MATERIAL - RADIATION EFFECT IN BERYLLIUM OXIDE
GEMP-24A
N63-19231 18-18

GAS-COOLED HIGH-TEMPERATURE NUCLEAR REACTOR DESIGN - CELLULAR METALLIC FUEL REACTOR
APEX-800, PT. B
N63-19327 18-10

DIVISION OF ENGINE POWER BETWEEN LIFT FAN AND JET NOZZLE
TCREC-TR-62-80
N63-19838 19-27

HIGH TEMPERATURE REFRACTORY MATERIAL PROGRAM - STRESS RUPTURE AND IRRADIATION DATA FOR TUNGSTEN, MOLYBDENUM, AND TANTALUM
GEMP-25A
N63-20138 20-1

NUCLEAR REACTOR INSTRUMENTATION AND CONTROL
GEMP-78
N63-20139 20-1

LIGHTWEIGHT SINGLE STEEL FORGING CASE DESIGN FOR SOLID ROCKET MOTORS
N63-20272 20-2

DYNAMIC LOADS OF XV5A LIFT FAN FLIGHT AIRCRAFT WING STRUCTURE AND ROTOR AERODYNAMICS
N63-20360 20-0

OXIDATION RESISTANCE OF ALUMINUM-NIOBIUM-TITANIUM INTERMETALLIC COMPOUNDS
GEMP-218
N63-20685 20-1

SPACECRAFT ELECTRIC GENERATING AND PROPULSION SYSTEM INTEGRATION
ASD-TDR-63-428, PT. II
N63-22445 23-2

SPACECRAFT ELECTRIC GENERATING AND PROPULSION SYSTEM INTEGRATION
ASD-TDR-63-428, PT. I
N63-22446 23-2

RADIATION EFFECTS ON BERYLLIUM OXIDE
GEMP-26A
N63-22778 23-1

XV-5A LIFT FAN FLIGHT RESEARCH AIRCRAFT
N63-23153 24-0

REACTOR INSTRUMENTATION AND CONTROL
GEMP-79
N63-23374 24-2

HIGH-TEMPERATURE REACTOR-MATERIALS FABRICATION AND EFFECT OF RADIATION ON HIGH-TEMPERATURE ALLOYS
GEMP-27A
N63-23406 24-1

IBM 7090 COMPUTER PROGRAM SIMULATING COLLISION CASCADES IN BINARY MATERIALS - BODY-CENTERED AND FACE-CENTERED CUBIC STRUCTURES - RADIATION EFFECT
GEMP-243
N63-23580 24-1

GENERAL ELECTRIC CO., EVENDALE, OHIO.

ENGINEERING PROPERTIES OF MAR-STRAINED STEELS
ASD-TDR-62-230
N63-10294 01-18

THE STATE OF THE ART OF FIBER GLASS FILAMENT WINDING
N63-11299 03-1

THEORETICAL STUDY OF SINGLE VACANCY MIGRATION IN CUBIC AB ALLOYS
ASD-TDR-63-215
N63-14306 10-2

THERMOCOUPLE MATERIALS FOR TEMPERATURE MEASUREMENT TO 4500 DEG F ON REENTRY VEHICLE SURFACES
ASD-TDR-63-233
N63-16400 14-3

NIMBUS PROJECT - INTEGRATION AND TEST PROGRAM - MANAGEMENT PLANNING - CONTRACTOR RESPONSIBILITY
N63-18607 17-3

NIMBUS SATELLITE - STABILIZATION AND CONTROL ALTITUDE SUBSYSTEMS FOR YAW, ROLL AND PITCH AXIS
N63-18609 17-3

NIMBUS SATELLITE - THERMAL ENVIRONMENT CONTROL AND THERMAL DESIGN
N63-18612 17-3

NIMBUS SATELLITE - ELECTRICAL AND MECHANICAL SUBSYSTEMS
N63-18613 17-3

NIMBUS SATELLITE - VACUUM CHAMBER TESTING, SOLAR-POWER TELEMETRY, ALTITUDE CALCULATION, TELEMETRY LOGIC AND S-BAND TRANSMITTER, GRID DRIVE
N63-18620 17-3

NIMBUS SATELLITE - COMPUTER SYSTEM DESIGN AND PROGRAMMING
N63-18621 17-3

NIMBUS SATELLITE - INTEGRATION AND TEST PROGRAM PLAN
N63-18622 17-3

CHROMIUM BASE ALLOYS EXHIBITING HIGH TEMPERATURE STRENGTH, LOW TEMPERATURE DUCTILITY, AND OXIDATION RESISTANCE
ASD-TDR-63-493
N63-18787 18-1

OXYGEN DIFFUSION THROUGH THORIUM OXIDE AND BORIDE PROTECTED GRAPHITE
ASD-TDR-63-635 N63-20007 19-18

NUCLEAR ROCKET PROPULSION APPLIED TO MANNED MARS SPACECRAFT N63-20120 20-27

EXPONENTIAL RELIABILITY TABLES - SATELLITE LIFETIMES AND OTHER APPLICATIONS
N63-20169 20-01

SPACE CAPSULES FOR DATA COLLECTION & TRANSMISSION OF CHARACTERISTICS OF MARS & VENUS ATMOSPHERES
NASA-CR-50956 N63-20816 21-32

GENERAL ELECTRIC CO., FORT WAYNE, IND.
COMPOUNDED, HEAT RESISTANT EPOXY ADHESIVES
R63FL9 N63-23432 24-19

GENERAL ELECTRIC CO., ITHACA, N.Y.
ROCKETBORNE IONOSOUNDER EQUIPMENT FOR STUDY OF IONOSPHERE
AFCRL-62-900 N63-10790 02-15

FIBER OPTICS TRACK/SCAN SYSTEM
R63ELC10 N63-19667 19-08

GENERAL ELECTRIC CO., KING OF PRUSSIA, PA.
FAILURE PREDICTIONS FOR NONMAINTAINABLE ELECTRONIC COMPONENTS N63-10387 01-17

AXISYMMETRIC HYPERVELOCITY IMPACT THEORY - COMPUTER SUBROUTINES
APGC-TDR-62-59 N63-10599 02-33

VISCOPLASTIC EQUATIONS FOR AXISYMMETRIC HYPERVELOCITY IMPACT
APGC-TDR-62-74 N63-12005 05-33

NONTHERMAL IONIZATION FOR MAGNETOHYDRODYNAMIC ENERGY CONVERSION N63-13824 09-24

NONTHERMAL IONIZATION FOR MAGNETOHYDRODYNAMIC ENERGY CONVERSION - EXPERIMENTS IN COLD CESIUM DIODES AND MAGNETOHYDRODYNAMIC POTASSIUM VAPOR
N63-16416 14-24

THEORETICAL PERFORMANCE FOR MAGNETOHYDRODYNAMIC GENERATOR UTILIZING NONEQUILIBRIUM IONIZATION IN PURE ALKALI METAL VAPOR SYSTEM
R62SD94 N63-16588 14-24

SPACECRAFT GUIDANCE - ROCKET BOOSTER VERTICAL FLIGHT N63-16806 14-29

HIGH TEMPERATURE EQUILIBRIUM VAPOR PRESSURES OF INORGANIC MATERIALS USING MICROBALANCE AND ELECTRON BOMBARDMENT HEATING - SILVER, PALLADIUM
R63SD6 N63-17076 15-18

ELECTROLYSIS CELL/FUEL CELL METHOD OF RECOVERING POTABLE WATER FROM URINE
AMRL-TDR-63-32 N63-17583 16-16

ROTATIONAL EXCITATION OF HOMONUCLEAR MOLECULES BY IMPACT WITH SLOW ELECTRONS - CALCULATION OF INELASTIC CROSS SECTION
R63SD43 N63-17765 16-24

OPTIMUM ORBITAL TRANSFER USING SOLAR RADIATION PRESSURE THRUSTING DEVICE
R63SD30 N63-17766 16-29

SPACE ENVIRONMENTS - VACUUM, THERMAL VACUUM, ULTRAVIOLET AND PARTICLE RADIATION - EFFECTS ON PLASTIC MATERIALS - THERMOPLASTICS
N63-18728 17-19

CONVERSION OF ELECTRIC ENERGY TO STRAIN ENERGY IN GLASS IRRADIATED BY ELECTROMAGNETIC WAVES AND PLASMAS N63-19045 18-13

MICROWAVE RADIATION EFFECTS ON IONIZED GAS BEHIND NORMAL SHOCK WAVE
R63SD60 N63-19365 18-24

CHEMICAL KINETICS OF ATMOSPHERIC DE-IONIZATION
AFCRL-63-848 N63-22464 23-12

GENERAL ELECTRIC CO., LYNN, MASS.
ORGANIC GEL ION EXCHANGE MEMBRANE HYDROGEN-OXYGEN FUEL CELL N63-14131 09-06

OXYGEN-HYDROGEN FUEL FOR HOPE SPACECRAFT - FUEL CELL - DESCRIPTION, DEVELOPMENT, RECOMMENDATIONS
ASD-TDR-62-522 N63-15030 11-06

HYDROGEN-OXYGEN FUEL CELL POWER SUPPLY FOR HOPE PROJECT N63-15187 11-06

OXYGEN-HYDROGEN FUEL FOR HOPE SPACECRAFT - FUEL CELL DRAWINGS
ASD-TDR-62-522, APPEND. N63-15188 11-06

CORROSION FATIGUE OF COMPRESSOR BLADES EXPOSED TO SALT SPRAY
DF62SE106 N63-21440 22-33

GENERAL ELECTRIC CO., MILWAUKEE, WIS.
COMPARISON OF PHOTOGRAPHIC, CATHODE RAY TUBE, AND TELEVISION RESOLUTIONS - DEFINITION AND CONVENTION
R62XP-4 N63-20726 21-09

GENERAL ELECTRIC CO., NEW YORK, N.Y.
SPACE SCIENCE - INTERNATIONAL COOPERATION IN SPACE EXPLORATION N63-16015 13-01

INDUCTIVE ENERGY STORAGE SYSTEM
N63-22282 23-06

GENERAL ELECTRIC CO., OKLAHOMA CITY, OKLA.
TABLE OF BINOMIAL COEFFICIENTS COMPUTED BY IBM 1620 N63-22326 23-20

GENERAL ELECTRIC CO., OWENSBORO, KY.
RESEARCH, DEVELOPMENT, AND FABRICATION OF TUNNEL EMISSION CATHODES - IMPROVEMENTS IN VACUUM SYSTEM FOR METAL FILM DEPOSITION N63-19432 19-09

TUNNEL EMISSION CATHODES - CURRENT MEASUREMENT
N63-20303 20-09

GENERAL ELECTRIC CO., PALO ALTO, CALIF.
K-BAND TRAVELING-WAVE TUBE
ASD-TR-63-7-741, VOL. 2 N63-20582 20-09

KU-BAND TRAVELING-WAVE TUBE PRODUCTION REFINEMENT
TIS-R62ELM-186-10 N63-20596 20-09

GENERAL ELECTRIC CO., PHILADELPHIA, PA.
LABORATORY IN SPACE, METEOROLOGICAL SATELLITE, BIOLOGICAL EFFECTS, SPACE ENVIRONMENT
N63-10241 01-10

THERMAL ENERGY STORAGE FOR THERMIONIC CONVERSION
ARS PAPER-2505-62 N63-10256 01-06

EXPERIMENTAL EVALUATION OF SEVERAL ATTITUDE CONTROL CONCEPTS FOR REENTRY BODIES
N63-10378 01-30

ABLATION OF GRAPHITE IN DISSOCIATED AIR - PART II, EXPERIMENTAL INVESTIGATION
R62SD86 N63-10511 01-13

ABLATION OF GRAPHITE IN DISSOCIATED AIR - PART I, THEORY
R62SD72 N63-10515 01-13

GAS DYNAMICS OF HOMOGENEOUS ATOM RECOMBINATION IN A CYLINDRICAL TUBE
R62SD97 N63-10788 02-11

BUCKLING OF CIRCULAR CYLINDRICAL SHELLS SUBJECT TO AXIAL IMPACT N63-10835 02-33

TURBULENT BOUNDARY-LAYER CORRECTION AT HIGH REYNOLDS NUMBERS, HEAT TRANSFER RATES
TFM-8151-006 N63-10936 02-11

BASE FLOW CHARACTERISTICS OF BLUNT AND SLENDER BODIES
R62SD96 N63-10970 02-02

METHOD FOR PREDICTING THE PRESSURE DISTRIBUTION ON THE CONICAL PORTION OF A SPHERE-CONE
N63-11006 03-02

HEATING UPON ENTRY INTO PLANETARY ATMOSPHERES FROM SUPERCIRCULAR ORBITING VELOCITIES
N63-11071 03-33

GAS DYNAMICS OF CHEMICALLY-REACTING MIXTURES NEAR EQUILIBRIUM
R62SD985-CLASS I N63-11500 03-11

INTERACTION BETWEEN ELECTROMAGNETIC FIELDS AND PLASMAS
AFCRL-62-906 N63-11719 04-24

PYROLYSIS OF PLASTICS IN HIGH VACUUM ARC IMAGE FURNACE
R62SD57 N63-11794 04-19

STABILITY OF AXISYMMETRICAL WAKES OF BINARY MIXTURE OF COMPRESSIBLE FLUIDS
R62SD79 N63-11795 04-11

APPROXIMATE FLOW CHARACTERISTICS IN BASE REGION OF HYPERSONIC AXISYMMETRIC BODY
R62SD16 - CLASS I N63-11981 05-11

EXACT SOLUTIONS FOR MAGNETOHYDRODYNAMIC CHANNEL FLOWS - COVETTE & HARTMANN FLOWS WITH HALL EFFECT
R62SD991 N63-12089 05-24

MACROSCOPIC EQUATIONS GOVERNING INTERACTION OF ELECTROMAGNETIC WAVES WITH NONUNIFORM PLASMA FLOWS
R62SD14 N63-12124 05-24

HYPERSONIC ENVIRONMENT - HEAT TRANSFER IN MULTICOMPONENT GASES
R62SD987 N63-12126 05-13

DYNAMIC BUCKLING OF SHELL STRUCTURES SUBJECT TO LONGITUDINAL IMPACT
TIS-R62-SD77 N63-12256 05-33

RELATIONSHIP OF PROPERTIES OF COMPOSITE MATERIALS TO PROPERTIES OF THEIR CONSTITUENTS - EFFECT OF MATRIX VOIDS N63-12342 05-33

MAGNETOHYDRODYNAMIC BOUNDARY LAYERS
R63SD4 N63-12681 06-24

MAGNETOHYDRODYNAMIC PROPULSION AND POWER GENERATION
R63SD5 N63-12682 06-24

FLASH PYROLYSIS OF PHENOL-FORMALDEHYDE BY TIME-OF-FLIGHT MASS SPECTROSCOPY
R62SD81 N63-12799 06-07

MAGNETOHYDRODYNAMIC POWER GENERATORS
R62SD990 N63-12800 06-24

TWO BIOELECTROGENIC SYSTEMS
R62SD78 N63-12826 06-06

IMPACT SENSITIVITY OF MICE - ACCELERATION STRESS, BIODYNAMICS N63-12873 07-16

LOW TEMPERATURE DIELECTRIC COATING FOR ELECTRICAL CONDUCTOR N63-13028 07-25

ELASTIC CONSTANTS OF LAMINATES OF ORTHOTROPIC PLATES N63-13174 07-33

THERMAL DEGRADATION KINETICS OF CHARRING PLASTICS FIBERGLASS REINFORCED PHENOLFORMALDEHYDE RESINS
R61SD145 N63-13464 08-13

ELECTRICAL TRANSMISSION AND RADIATIVE PROPERTIES OF HYPERSONIC PURE AIR WAKES AS A RESULT OF CHEMICAL NONEQUILIBRIUM
R62SD989 N63-13465 08-11

TRANSIENT INTERACTION OF TRANSVERSE MAGNETIC FIELD WITH MAGNETOHYDRODYNAMIC COUETTE FLOW
R63SD16 N63-13559 08-24

PLANETARY ENTRY RESEARCH FOR MARS AND VENUS, 1962- EQUILIBRIUM THERMOCHEMISTRY, DISSOCIATION, HEAT TRANSFER, SHOCK TUBES, VENUS IONOSPHERE
TIS-R62-SD-84 N63-14713 10-29

MICROWAVE REFLECTION BY NONUNIFORM PLASMA WITH EXPONENTIAL ELECTRON DISTRIBUTION
R62SD47 N63-15026 11-2

OXYGEN-HYDROGEN FUEL FOR HOPE SPACECRAFT - FUEL CELL - DESCRIPTION, DEVELOPMENT, RECOMMENDATIONS
ASD-TDR-62-522 N63-15030 11-0

PRESSURE MEASUREMENTS ON BLUNT FLATPLATE WITH NONEQUILIBRIUM FLOW FIELD
R63SD13 N63-15183 11-0

HYDROGEN-OXYGEN FUEL CELL POWER SUPPLY FOR HOPE PROJECT N63-15187 11-0

OXYGEN-HYDROGEN FUEL FOR HOPE SPACECRAFT - FUEL CELL DRAWINGS
ASD-TDR-62-522, APPEND. N63-15188 11-0

FREE STREAM PROPERTIES OF HYPERSONIC NONEQUILIBRIUM FLOW, AND ELECTRICAL PROPERTIES OF F SHOCK TUNNEL PLASMA FLOW
R63SD27 N63-15194 11-2

BIOCHEMICAL FUEL CELL - AN ANSWER TO WASTE MANAGEMENT IN CLOSED ECOLOGICAL SYSTEMS - ELECTRIC ENERGY SOURCE N63-15799 13-1

VENUS ATMOSPHERE PHYSICAL PROPERTIES - PRESSURE, TEMPERATURE, AND DENSITY
PIR-7250-26A N63-15800 13-2

ABLATING HEAT PROTECTION SYSTEMS
N63-16052 13-1

THERMIONIC GENERATOR UTILIZING SOLAR ENERGY APPLICABLE TO SPACE POWER SYSTEM
ASD-TDR-62-899 N63-16064 13-0

HEAT PROTECTIVE MATERIALS - THERMAL RESPONSE OF ABLATORS TO HYPERTHERMAL ENVIRONMENT
R63SD20 N63-16184 13-1

TERRAIN AND ENVIRONMENT OF VENUS
R62SD153 N63-16353 14-2

FOOD REFRIGERATION AND HABITABLE ATMOSPHERE CONTROL SYSTEM FOR SPACE VEHICLES - DESIGN, TEST PHASE, AND FABRICATION
AMRL-TDR-62-149 N63-16422 14-0

SUPERSONIC FLOW FIELD ABOUT A BODY OF REVOLUTION IN UNSTEADY MOTION N63-17067 15-2

MARS ATMOSPHERE - SHOCK LAYER STUDIES - THERMODYNAMIC CONDITIONS
R63SD12 N63-17176 15-2

HUMAN FACTORS IN CLEAN ROOM MANUFACTURING RELIABILITY N63-17276 15-1

SPECTRAL RADIANCE OF CHEMICALS IN HIGH TEMPERATURE AIR
R63SD3 N63-17602 16-2

CONTROL SYSTEM FOR RECORDING ELECTRONIC MODULE DEFECTS N63-17898 16-0

EXTENSION OF FREE FLIGHT TECHNIQUE TO LOW DENSITY SHOCK TUNNEL FLOWS TO MEASURE SPHERE DRAG AT MACH 15 OVER FREE STREAM KNUDSEN NUMBER RANGE .0027-.25
R63SD23 N63-18639 17-1

CONTROL OPTIMIZATION OF GUIDANCE SYSTEMS AND TRAJECTORIES N63-18693 17-2

ORBITAL HEAT BALANCE TEST OF H-30A SATELLITE REENTRY VEHICLE N63-18815 18-3

REPAIR OF LEAKAGE IN MANNED SPACE VEHICLE CABIN - PLASTIC & ADHESIVE SEALS
ASD-TDR-62-1015 N63-18832 18-3

LINE OF SIGHT ERROR ANALYSIS FOR PAIRED TRAJECTORIES USING MK. 3C VEHICLES WITH SERGEANT-RECRUIT BOOSTER COMBINATIONS N63-18979 18-2

FLOW FIELD CHARACTERISTICS AROUND 10-DEG CONE-CYLINDER-FLARE BODY AT MACH 5 AND 19.52
N63-18980 18-1

ELECTRON BEAM EXCITATION METHOD FOR LOW GAS DENSITY MEASUREMENTS IN HYPERSONIC SHOCK TUNNEL FLOWS
N63-19011 18-11

INVISCID FLOW FIELD - SHOCK LAYER DATA FOR 10-DEG SPHERE-CONE
N63-19017 18-11

THERMAL PROTECTION BY ABLATING MATERIALS IN SIMULATED PLANETARY ATMOSPHERIC ENTRY
R63SD35 N63-19020 18-13

PARTICLE DETECTION IN SPACE - LITHIUM ION DRIFT DETECTOR, PULSE AMPLIFIER, NUCLEAR EMULSIONS AND RADIATION SENSITIVE MICA
R63SD37 N63-19021 18-09

ELECTROMAGNETIC RADIATION DUE TO HIGH VELOCITY IMPACT
N63-19190 18-33

SENSORY AND PERCEPTUAL SENSE PROBLEMS OF MANNED SPACE FLIGHT - VISUAL PERCEPTION DEPRIVATION
N63-19246 18-14

K-10 PROGRAM - THERMOVACUUM TESTS OF ELECTRO-MECHANICAL AND ELECTRONIC COMPONENTS
N63-19268 18-09

THERMOVACUUM TEST RESULTS - PYROTECHNIC COMPONENT PERFORMANCE IN K-10 PROGRAM
N63-19269 18-09

NEWTONIAN DYNAMIC DAMPING COEFFICIENTS FOR SPHERE CONES AT ANGLE OF ATTACK
N63-19505 19-20

THIN WALL TEFLON FRUSTRUM FABRICATION BY HEAT BONDING PROCESS
N63-19551 19-17

EFFECT OF RADIATIVE HEAT TRANSFER AND CHEMICAL REACTION ON HEAT TRANSFER RATE TO A SPACE VEHICLE DURING HYPERSONIC FLOW CONDITIONS
R63SD46 N63-19594 19-13

RADIATION EFFECT IN ENERGY AND MOMENTUM TRANSPORT IN GAS
N63-19788 19-11

THERMOCHEMICAL EFFECTS OF FOREIGN PLANETARY ATMOSPHERES UPON LAMINAR HEAT TRANSFER IN HYPERSONIC STAGNATION REGION - GAS DYNAMICS
NASA-CR-50882 N63-19949 19-13

SLENDER BODY NEAR WAKE-DENSITY MEASUREMENTS AT MACH 13 AND 18
N63-20029 19-11

UMBILICAL LINE LIFE-SUPPORT SYSTEM FOR ORBITAL EXTRA-VEHICULAR WORKERS
TIS-635SD238 N63-20101 20-16

FLOW OF REACTING GAS MIXTURE - ZERO DIFFUSION, ZERO HEAT CONDUCTION - IDEAL GAS AND AXISYMMETRIC FLOW
N63-20623 20-11

STRUCTURAL RESPONSE TO INTENSE ELECTROMAGNETIC RADIATION - RADIATION EFFECT
N63-20768 21-24

NORMAL SHOCK WAVE CALCULATIONS IN AIR AT HYPERSONIC SPEEDS
R62SD76 N63-20779 21-11

NONEQUILIBRIUM LAMINAR BOUNDARY LAYER FLOW OF BINARY GAS MIXTURE
R63SD17 N63-20991 21-11

CHEMICAL KINETICS IN REENTRY FLOW FIELD
R63SD63 N63-21237 21-11

PHYSIOLOGICAL EFFECT OF PROLONGED WEIGHTLESSNESS - ZERO-GRAVITY - PATHOPHYSIOLOGY OF DISUSE
AMRL-TDR-63-3 N63-21301 21-16

ELECTRODES FOR MAGNETOHYDRODYNAMIC GENERATORS - PERFORMANCE OF VARIOUS SHAPES
R63SD62 N63-21314 21-24

PHOTOSYNTHETIC GAS EXCHANGER SYSTEM USING CHLORELLA VULGARIS - CLOSED-CYCLE ECOLOGICAL SYSTEM OPERATING AT CONTROLLED ATMOSPHERES
PIR-5753-1437 N63-21818 22-11

STRESSES NEAR DISCONTINUITY IN FILAMENT REINFORCED COMPOSITE METALS
R63SD61 N63-21821 22-18

CERAMIC OXIDE COMPOSITIONS FOR THERMAL ENERGY STORAGE - CORROSION, MATERIALS TESTING AND THERMAL CONDUCTANCE
NASA-CR-51523 N63-21845 22-19

MECHANICAL PROPERTIES OF FIBROUS COMPOSITE MATERIAL
NASA-CR-51169 N63-22055 22-33

CHEMICAL KINETICS OF ATMOSPHERIC DEIONIZATION
R63SD34 N63-22079 22-12

KINETIC MODEL FOR BINARY GAS MIXTURES - REPLACING COLLISION INTEGRAL IN BOLTZMANN EQUATION
R63SD76 N63-22080 22-19

WEIGHT REDUCTION IN SPACECRAFT ELECTRONIC EQUIPMENT
N63-22183 23-09

MICROWAVE & PLASMA INTERACTION - THEORETICAL STUDY OF NONSTEADY ASPECTS OF PLASMA RESPONSE TO MICROWAVE RADIATION
R63SD78 N63-22419 23-24

BOLTZMANN INTEGRO-DIFFERENTIAL EQUATION FOR HARD SPHERES PRESENTED AS PAIR OF LINEAR PARTIAL DIFFERENTIAL EQUATIONS OF FIRST & EIGHTH ORDERS
R63SD79 N63-22420 23-11

SPACE CHARGE & IONIZATION REGIONS NEAR ARC CATHODE
ARL-63-163 N63-22501 23-09

ARC HEATER FOR REENTRY SIMULATION
N63-22962 23-10

CALCULATION OF FLOW BEHIND A NORMAL SHOCK FRONT FOR FINITE REACTION RATE CHEMISTRY
R63SD66 N63-23573 24-11

NUMERICAL INTEGRATION OF THE NAVIER-STOKES EQUATIONS FOR SHOCK WAVE STRUCTURE PROBLEMS
N63-23771 24-23

GENERAL ELECTRIC CO., PITTSFIELD, MASS.

DESIGN PRINCIPLES OF SUPERCONDUCTING FRICTIONLESS MAGNETIC BEARINGS
N63-17827 16-17

INTEGRATED DIRECT CURRENT DIFFERENTIAL AMPLIFIER IN INTEGRATED CIRCUIT DEVELOPMENT PROGRAM
N63-19548 19-09

GENERAL ELECTRIC CO., PLEASONTON, CALIF.

LIQUID METAL STUDIES IN FRANCE AND GREAT BRITAIN
NASA-TM-X-884 N63-17429 15-18

NUCLEAR THERMIONIC EMITTERS OF URANIUM AND THORIUM CARBIDES AND EUROPIUM AND YTTRIUM HEXABORIDES
GEST-2009 N63-19259 18-23

THERMIONIC CONVERSION OF HEAT TO ELECTRICITY
GEST-2021 N63-21294 21-09

GENERAL ELECTRIC CO., SAN JOSE, CALIF.

CRITICAL HEAT FLUX AND FLOW PATTERN OF HIGH PRESSURE BOILING WATER IN FORCED CONVECTION
GEAP-3766 N63-10158 01-23

MEASUREMENT OF THE SHUTDOWN OF THERMAL POWER REACTORS BY PULSED NEUTRON SOURCES
GEAP-4047 N63-11228 03-23

MULTIPLEXING SUBSYSTEM FOR TELEMETRY SYSTEM IN REACTOR CORE
GEAP-4026 N63-11947 04-08

NUCLEAR SUPERHEAT PROJECT
GEAP-4024 N63-11979 05-23

FISSION SINTERING OF BORIDE POWDERS BY REACTOR RADIATION
GEAP-3743 N63-13201 07-23

SLOW CYCLE STRAIN FATIGUE IN THIN WALL TUBING
GEAP-3983 N63-13496 08-33

ANALYSIS OF TRANSIENT EFFECTS IN FAST REACTOR FUELS

GEAP-4058 N63-13497 08-26

CORROSION, METALLURGY, AND RADIATION EFFECTS OF MATERIALS FOR NUCLEAR FUEL CLADDING
GEAP-4060 N63-13498 08-18

EVALUATION OF 300 SERIES STAINLESS STEEL TUBING FOR FUEL CLADDING
GEAP-4095 N63-13499 08-18

DESIGN OF SPECIFIC ZICONIUM ALLOY
GEAP-3979 N63-13734 08-18

ABSORBER BURNUP EXPERIMENT - CHANGE OF ABSORPTION CROSS SECTION OF REACTOR CONTROL ROD MATERIALS DUE TO TRANSMUTATION B NEUTRON CAPTURE
GEAP-4017 N63-13735 08-23

SODIUM-COOLED REACTORS - FAST CERAMIC REACTOR - PLUTONIUM OXIDE/URANIUM OXIDE CERAMIC FUELS
GEAP-4080 N63-13736 08-01

IN-CORE POWER MONITORING OF NUCLEAR REACTORS
GEAP-3914 N63-14206 09-15

THERMAL NEUTRON DIFFUSION LENGTH IN LIGHT WATER AT VARIOUS TEMPERATURES
GEAP-4018 N63-15497 12-23

ZIRCONIUM ALLOYS FOR STEAM SERVICE NUCLEAR REACTORS - CORROSION TESTING - FABRICATION
GEAP-4139 N63-17427 15-18

CORROSION MECHANISM OF ZIRCONIUM AND ITS ALLOYS - DIFFUSION OF OXYGEN IN ZIRCONIUM DIOXIDE
GEAP-3999 N63-17460 15-18

CRITICAL HEAT FLUX PREDICTION IN FORCED CONVECTION FLOW
GEAP-3961 N63-19047 18-13

RADIATION EFFECT ON METAL BORIDE CRYSTALLOGRAPHY
GEAP-3743, PT. III N63-19227 18-19

RADIATION EFFECTS IN BORIDES - HELIUM RELEASE AND SWELLING IN IRRADIATED BORIDES
N63-19334 18-19

THERMOCOUPLE-TYPE DETECTORS FOR IN-CORE POWER MONITORING
GEAP-4222 N63-19382 18-15

SODIUM COOLED CERAMIC REACTOR - FUEL REACTIONS
GEAP-4214 N63-20832 21-23

DEPOSITION OF RADIOACTIVE WASTE FROM COOLANT OF NUCLEAR REACTOR
GEAP-4140 N63-20952 21-11

ZIRCONIUM BASE ALLOY FOR NUCLEAR FUEL CLADDING IN STEAM ENVIRONMENT
GEAP-4211 N63-21259 21-18

TELEMETERS FOR POWER MONITORING WITHIN REACTOR CORES
GEAP-4229 N63-21921 22-09

HYDROGEN OVERVOLTAGE & ELECTROCHEMICAL POTENTIALS OF ZIRCONIUM & ZIRCONIUM INTERMETALLICS
GEAP-4192 N63-22217 23-18

GENERAL ELECTRIC CO., SANTA BARBARA, CALIF.

METHODS FOR PRODUCING NEGATIVE IONS - HYDROGEN
RM-62TMP-32 N63-10711 02-23

SUMMARY OF REPORTS ON LUNAR EXPLORATION ASTRODYNAMICS, AND SPACE VEHICLE RECOVERY
N63-12149 05-32

COST-BENEFIT ANALYSIS AS AID TO SYSTEM SELECTION FOR MISSION
SP-201 N63-12833 06-01

DERIVATION OF MAINTAINABILITY REQUIREMENTS FOR WEAPON SYSTEMS
SP-216 N63-15864 13-01

ATMOSPHERIC RADIATIVE TEMPERATURE - FEASIBILITY OF MAKING TEMPERATURE MEASUREMENTS WITHIN EARTH ATMOSPHERE FROM SATELLITE
SP-206 N63-16497 14-12

MAPS OF GEOMAGNETIC GEOMETRY
RM-63TMP-2 N63-17002 15-12

TABULATION OF GEOMAGNETIC GEOMETRY
RM-63TMP-3 N63-17722 16-12

DECISIONS OF TRADE-OFF BETWEEN COST, RELIABILITY, MAINTAINABILITY, AND SUPPLY
RM-62TMP-42 N63-20733 21-01

GENERAL ELECTRIC CO., SCHENECTADY, N.Y.

EXPERIMENTAL EVALUATION OF SEVERAL ATTITUDE CONTROL CONCEPTS FOR REENTRY BODIES
N63-10378 01-30

ACTIVATOR REFRACTORY SUBSTRATE COMBINATIONS
AFCRL-62-513 N63-10429 01-09

SEMICONDUCTOR DEVICE CONCEPTS - REMOVAL OF IMPURITIES
AFCRL-62-774/A/ N63-10432 01-25

LIFE TESTS, EVAPORATION RATES, AND PULSED EMISSION MEASUREMENTS ON A TUNGSTEN-BARIUM ORTHOSILICATE DISPENSER CATHODE
AFCRL-62-110 N63-10437 01-09

KERNEL AND PAM PROGRAMS IN CALCULATION OF THE THERMAL SCATTERING MATRIX FOR CHEMICALLY BOUND SYSTEMS
KAPL-2225 N63-10501 01-23

COMPARISON OF EXPERIMENTAL AND THEORETICAL BUCKLING PRESSURES FOR SPHERICAL CAPS
N63-10844 02-33

WORK FUNCTIONS AND LIFETIME OF DISPENSER CATHODE SYSTEMS
AFCRL-1114 N63-11041 03-09

INTERACTION BETWEEN ELECTROMAGNETIC FIELDS AND PLASMAS
AFCRL-62-906 N63-11719 04-24

LIFE TESTS OF BARIUM ORTHOSILICATE DISPENSER CATHODES AND METHOD FOR DISPLAYING RETARDING POTENTIAL CHARACTERISTIC
AFCRL-63-11 N63-12606 06-09

MEASUREMENTS OF EFFECT OF HYDROSTATIC PRESSURE AND UNIAXIAL COMPRESSION ON TUNNELING CURRENT OF GERMANIUM TUNNEL DIODES AT HELIUM TEMPERATURES
AFCRL-63-20/A/ N63-12676 06-09

ION GAUGE CHARACTERISTICS IN AEROSPACE SIMULATOR
AEDC-TDR-63-37 N63-12723 06-10

SCHEMATIC SYMBOLS FOR FLUID AMPLIFIER CIRCUITRY
N63-13407 08-11

COMPOUNDS AND ALLOYS OF MAGNESIUM, TIN, COPPER, LEAD AND GERMANIUM AS SEMICONDUCTORS IN THERMOELECTRIC POWER GENERATION
TCREC-TR-62-112 N63-13507 08-25

SPONTANEOUS MAGNETIZATION IN SOLIDS - COBALT, FERROMAGNETIC FILMS, AND MANGANOUS FLUORIDE
ASD-TR-61-630 N63-13664 08-23

DEVELOPMENT OF CATALYST SCREEN ELECTRODE STRUCTURE TO TEST POWDERED ELECTRODE MATERIALS FOR HYDROCARBON FUEL CELLS - METHANE SERIES RESULTS
N63-14134 09-06

INCREASING EFFICIENCY AND MINIMIZING WEIGHT OF AC-DC POWER CONVERTERS N63-14166 09-06

ECONOMICAL DESIGN AND OPERATION OF MAGNETOHYDRODYNAMIC POWER GENERATORS
N63-14318 10-24

PHASE EQUILIBRIA IN BORON CARBIDE-SILICON CARBIDE SYSTEM
KAPL-2216 N63-14710 10-19

MOLECULAR FLUX DISTRIBUTION IN SPACE SIMULATOR -

GAS FLOW AND KINETIC STUDY OF MOLECULE-SURFACE INTERACTIONS AND COLLISION RATES
AEDC-TDR-63-88 N63-14722 11-10

THIN FILM ACTIVATOR-REFRACTORY SUBSTRATE SYSTEMS FOR HIGH DENSITY EMISSION CATHODE TUBES - THERMIONIC SURFACES
AFCRL-63-69 N63-14835 11-18

HIGH CURRENT DENSITY CATHODE TUBES - UNIFORM SURFACE EMISSION OF ELECTRONS, BARIUM COMPOUNDS OPERATING TEMPERATURE, EVAPORATION RATE
N63-14836 11-18

CLUSTER MODEL PROPOSED FOR DISPENSING OF ACTIVATOR ATOMS IN CESIUM-ON-TUNGSTEN THERMIONIC SURFACE - CATHODE TUBE ELECTRON EMISSION, EVAPORATION RATE
N63-14837 11-18

DECOMPOSITION OF ETHYLENE AND ETHANE IN HYDROCARBON-OXYGEN-HYDROGEN FLAMES
N63-14941 11-07

CARE SYSTEM - DIFFUSION THEORY PROGRAM - GENERAL DESCRIPTION OF SYSTEM, INSTRUCTIONS, INPUT, AND OUTPUT
CAPL-2165-1 N63-15103 11-20

MECHANICAL PROPERTIES OF ZIRCONIUM ALLOYS - ZIRCALOY 2 - NIOBIUM OXIDE ALLOY
CAPL-2252 N63-15404 12-18

ANALYSIS OF SPACE-TIME DYNAMICS OF POWER DISTRIBUTION IN NUCLEAR POWER REACTOR
CAPL-2217 N63-15410 12-10

LEADING EDGE BLUNTNESS AND SLIP FLOW IN HYPERVELOCITY FLOW OVER FLAT PLATE
N63-15427 12-11

FIELD ION MICROSCOPE OBSERVATION OF ADATOMS - NITROGEN ON TUNGSTEN - ADSORPTION
N63-15751 12-23

SPACE SCIENCE - SUPERCONDUCTIVITY IN BEARINGS FOR VACUUM OPERATION, ACCELEROMETERS AND CRYOGENIC EQUIPMENT - GYROSCOPES N63-15997 13-17

DELAYED FAILURE OF POLYCRYSTALLINE AND SINGLE CRYSTAL ALUMINA - SAPPHIRE N63-16396 14-33

IMAGE ORTHICON PHOTOGRAPHS OF METEORS
N63-16654 14-05

FLOW STRESS, TRANSITION TEMPERATURE, AND GRAIN BOUNDARY HARDENING OF SILVER-MAGNESIUM ALLOYS
WADD-TR-60-184, PT. IV N63-16667 14-18

THERMIONIC EMISSION FROM METAL CRYSTALS IN ALKALI METAL VAPORS
AFCRL-63-451 N63-16735 14-18

SINGLE-CRYSTAL TUNGSTEN THERMIONIC CONVERTER
AFCRL-63-452 N63-16736 14-06

SYSTEMS EVALUATION BY ENVIRONMENTAL TESTING
N63-16760 14-10

INTERMETALLICS - GRAIN BOUNDARY HARDENING IN NICKEL-GALLIUM ALLOYS
ASD-TDR-63-309, PT. I N63-16925 14-18

CYCLIC-STRAIN INDUCED OXIDATION OF HIGH TEMPERATURE ALLOYS N63-16974 14-18

PERFORMANCE CHARACTERISTICS AND EMISSION COOLING MEASUREMENTS TAKEN ON CESIUM THERMIONIC CONVERTER WITH THORIUM-TUNGSTEN EMITTER
AFCRL-63-450 N63-17082 15-15

OPTIMUM DESIGN OF CYLINDRICAL BOMBARDMENT HEATERS
AFCRL-63-453 N63-17085 15-09

SOLID STATE MICROWAVE DELAY LINE
RADC-TDR-63-149 N63-17116 15-25

REACTOR TECHNOLOGY - PHYSICS REPORT
CAPL-2000-20 N63-17196 15-23

AQUEOUS CORROSION OF ZIRCONIUM SINGLE CRYSTALS
KAPL-2257 N63-17515 16-07

HYDRODYNAMIC STABILITY OF FLUID-LUBRICATED BEARINGS N63-17854 16-17

MICROSTRUCTURE OF INTERNAL MAGNETIC FIELD IN FERROMAGNETIC, FERRIMAGNETIC, AND ANTIFERROMAGNETIC SOLIDS
ASD-TDR-63-208 N63-17913 16-25

BRITTLE FRACTURE MECHANICS - STRESS DISTRIBUTION THEORY N63-17948 16-33

LOW TEMPERATURE DIELECTRIC COATINGS FOR ELECTRICAL CONDUCTORS
NASA-CR-50338 N63-18033 16-19

SEALING FOR CONNECTORS IN LAUNCH VEHICLES
NASA-CR-50559 N63-18159 16-17

NUCLEATION OF PEARLITE IN IRON CARBON AUSTENITIC STEEL UNDER HIGH PRESSURE
ASD-TDR-62-479, PT. I N63-18186 16-18

PRESSURE PULSES, SHOCK AND VIBRATORY LOADING ON LAUNCH VEHICLE CONNECTORS - HEAT ENVIRONMENT, VACUUM AND RADIATION EFFECTS ON CONNECTOR GASKETS
NASA-CR-50562 N63-18323 17-17

DESIGN CRITERIA FOR ZERO-LEAKAGE CONNECTORS FOR LAUNCH VEHICLES - PLASTIC FLOW & FLANGE ROLLING
NASA-CR-50557 N63-18390 17-17

ZERO-LEAKAGE CONNECTOR SEALS FOR LAUNCH VEHICLES
NASA-CR-50561 N63-18391 17-17

DESIGN CRITERIA FOR ZERO-LEAKAGE CONNECTORS FOR LAUNCH VEHICLES - FLOW CALCULATIONS, GAS DIFFUSION THROUGH SOLIDS AND WELDED JOINTS
NASA-CR-50558 N63-18493 17-17

ZERO-LEAKAGE CONNECTORS, FLANGES, GASKETS, PIPES, FOR LAUNCH VEHICLES
NASA-CR-50560 N63-18494 17-17

STRUCTURE AND INITIATION OF DETONATIONS IN THE CONDENSED PHASE - TRANSVERSE SHOCK WAVES
N63-18541 17-26

STRUCTURE AND INSTABILITY OF DETONATIONS
N63-18548 17-26

HIGH PRESSURE & TEMPERATURE CURVES FOR ALPHA-GAMMA TRANSFORMATION IN IRON & IRON ALLOYS
ASD-TDR-62-479, PT. II N63-18637 17-18

OXYGEN INDUCED GRAIN BOUNDARY AND SURFACE HARDENING IN NICKEL-ALUMINUM INTERMETALLIC COMPOUNDS - PEST REACTIONS N63-18809 18-18

CADMIUM SULFIDE SEMICONDUCTOR DEVICES - DIFFUSION OF ALUMINUM INTO ZINC SELENIDE CRYSTALS
AFCRL-63-120/A/ N63-18913 18-25

SPACE SIMULATION ION GAUGES FOR VACUUM LEVEL MEASUREMENTS IN AEROSPACE ENVIRONMENTAL TEST CHAMBERS
AEDC-TDR-63-148 N63-19025 18-15

OIL BACKSTREAMING THROUGH VACUUM TRAP AT CRYOGENIC TEMPERATURES
AEDC-TDR-63-149 N63-19048 18-11

ENGINEERS GUIDE FOR DYNAMIC SYSTEM ANALYZER, DYNASAR - DIGITAL COMPUTER PROGRAM
N63-19197 18-20

PERFORMANCE OF CESIUM VAPOR THERMIONIC CONVERTER - ENHANCEMENT BY PHOTON IRRADIATION
N63-19440 19-24

HIGH VACUUM AND HIGH TEMPERATURE ENVIRONMENT MAGNETIC BEARINGS
ASD-TDR-63-474 N63-19464 19-17

DYNAMIC AND STATIC SEALS FOR LIQUID PROPELLANT ROCKET ENGINES
NASA-CR-50662 N63-19498 19-27

DYNAMIC AND STATIC SEALS FOR LIQUID PROPELLANT ROCKET ENGINES
NASA-CR-50663 N63-19595 19-27

DYNAMIC AND STATIC SEALS FOR LIQUID PROPELLANT ROCKET ENGINES - ANNOTATED BIBLIOGRAPHY
NASA-CR-50661 N63-19596 19-27

DYNAMIC AND STATIC SEALS FOR LIQUID PROPELLANT ROCKET ENGINES - ANNOTATED BIBLIOGRAPHY
NASA-CR-50660 N63-19597 19-27

ELECTRON BEAM RECORDING TECHNIQUES
RADC-TDR-63-234 N63-20013 19-09

EFFECT OF HIGH PRESSURE ON AUSTENITE TO PEARLITE REACTION
ASD-TDR-62-479, PART I N63-20294 20-18

EFFECT OF HIGH PRESSURE ON TRANSFORMATION IN IRON AND IRON ALLOYS
ASD-TDR-62-479, PART II N63-20295 20-18

QUALITATIVE REPORT ON LASERS - STIMULATED EMISSION POPULATION INVERSION N63-20348 20-25

IMPROVED SYSTEM FOR ELECTRONIC KEYING
N63-20462 20-09

NONEQUILIBRIUM IONIZATION IN MAGNETOHYDRODYNAMIC GENERATORS N63-20755 21-24

DYNAMIC ENVIRONMENT AND MECHANICAL PROBLEMS - VIBRATORY LOAD AND STRUCTURAL RESPONSE TO VIBRATION N63-20881 21-33

LOW TEMPERATURE DIELECTRIC PROTECTIVE COATING FOR ELECTRIC CONDUCTOR
NASA-CR-51332 N63-21312 21-09

INJECTION ELECTROLUMINESCENCE OBSERVED AT SOME HETEROJUNCTIONS - SEMICONDUCTOR DEVICE CONCEPTS
AFCRL-63-323/4A/ N63-21321 21-25

SUPERCONDUCTIVE MATERIALS LIST - PROPERTIES, MAGNETIC FIELD N63-21415 22-19

ALGORITHM FOR ITERATIVE SOLUTION OF A CLASS OF TWO-POINT BOUNDARY VALUE PROBLEMS
N63-22181 23-20

CRYSTAL STRUCTURE OF MANGANESE ARSENIDE ABOVE 40-DEG C N63-22182 23-25

LARGE ELECTRIC SWITCHGEAR N63-22294 23-06

PROPERTIES OF DIELECTRICS AT CRYOGENIC TEMPERATURE
N63-22696 23-09

ELECTRON TIME-OF-FLIGHT SPECTROMETER
N63-23562 24-23

ENERGY CONVERSION STUDY OF PHOTON THERMIONICS
ASD-TDR-63-707 N63-23692 24-23

GENERAL ELECTRIC CO., SYRACUSE, N.Y.
SEMICONDUCTOR DEVICE CONCEPTS
AFCRL-62-774/B/ N63-10431 01-25

GENERATION OF COHERENT VISIBLE RADIATION AND ELECTRICAL PROPERTIES OF GALLIUM P-N JUNCTIONS
AFCRL-63-20/B/ N63-12677 06-09

APPLICATION OF TUNNELING TO ACTIVE DIODES
AFCRL-62-522 N63-15690 12-09

ELECTRON FOCUSING BY NONLINEAR SPIRALS - LENS - IMAGE FORMATION GEOMETRY FOR CATHODE RAY TUBES
TIS-R62-ETC2 N63-16107 13-09

PLASMA THEORY - ELECTROMAGNETIC WAVE PROPAGATION - PLASMA SHEATHS
RADC-TDR-62-260 N63-16920 14-24

MICROELECTRONICS - THIN FILM COMPONENTS
N63-17361 15-09

RELIABILITY IN MICROELECTRONIC SYSTEMS
N63-17369 15-17

MONOPULSE ANTENNAS - TRACKING
R63ELS-6 N63-17500 16-08

PROTON-NEUTRON DAMAGE CORRELATION IN SEMICONDUCTORS - SILICON SOLAR CELLS & RADIATION EFFECT
NASA-CR-50422 N63-18856 18-09

CHARACTERISTICS OF POLYCRYSTALLINE ELECTROLUMINESCENT AND PHOTOCONDUCTIVE MATERIALS - EFFECT ON OPTOELECTRIC LOGIC AND MEMORY ARRAYS
R63ELS-9 N63-18905 18-09

SEMICONDUCTOR DEVICE CONCEPTS - PREPARATION AND PROPERTIES OF GALLIUM ARSENIDE PHOSPHIDE P-N JUNCTION LASERS
AFCRL-63-120/B/ N63-18911 18-25

THIN FILM INSULATORS - ELECTRIC PROPERTIES AND CONDUCTION MECHANISM N63-19671 19-17

CERAMIC TRANSFORMERS IN 18 TO 77-KC FREQUENCY RANGE
ST-144 N63-20474 20-09

RADAR FOR VELOCITY MEASUREMENT IN SPACECRAFT FOR LUNAR LANDING
AIAA PAPER-63-351 N63-20493 20-08

SILICON PLANAR EPITAXIAL AND SILICON GROWN DIFFUSED TRANSISTORS - RELIABILITY MEASUREMENTS AND EXPERIMENTAL EVALUATION N63-21199 21-09

SILICON PLANAR EPITAXIAL AND SILICON GROWN DIFFUSED TRANSISTORS - DEVELOPMENT, RELIABILITY MEASUREMENTS, AND EVALUATION N63-21200 21-09

CONTAMINATION ENCOUNTERED IN HALOGEN VAPOR SYNTHESIS - SEMICONDUCTOR DEVICE CONCEPTS
AFCRL-63-323/4B/ N63-21320 21-25

EXPLORATORY STATIC ENERGY CONVERSION - MULTILAYER THERMIONICS
ASD-TDR-63-723 N63-23693 24-23

GENERAL ELECTRIC CO., UTICA, N.Y.
RELATIONSHIP OF VIBRATION ENVIRONMENT DATA TO SPECIFICATION CRITERIA N63-16754 14-02

GUIDANCE SYSTEM RELIABILITY TESTS
N63-17272 15-33

RELIABILITY EVALUATION AND ENVIRONMENTAL TESTING OF PRINTED-WIRING-BOARD SOLDERED JOINTS
N63-17286 15-17

RELIABILITY TESTING - STATISTICAL CIRCUIT ANALYSIS
N63-17300 15-20

GENERAL ELECTRIC CO., VALLEY FORGE, PA.
SHOCK WAVE STRUCTURE WITH ROTATIONAL AND VIBRATIONAL RELAXATION N63-21573 22-24

MAGNETOHYDRODYNAMICS - NONEQUILIBRIUM IONIZATION AND FLOW N63-22482 23-24

HEAT TRANSFER ON HYPERSONIC VEHICLE ENTERING A PLANETARY ATMOSPHERE
AIAA PAPER 63-450 N63-23185 24-13

MANS EXTRAVEHICULAR SPACE MAINTENANCE ROLE
N63-23213 24-30

GENERAL GEOPHYSICAL CO., HOUSTON, TEX.
SEISMIC SIGNALS AND NOISE DETECTED BY UNDERGROUND SEISMOGRAPH
AFCRL-63-479 N63-18270 17-15

GENERAL INSTRUMENT CORP., NEWARK, N.J.
DESCRIPTION OF 45 WATT PORTABLE THERMOELECTRIC GENERATOR N63-14140 09-06

GENERAL MILLS, INC., MINNEAPOLIS, MINN.
REMOTE HANDLING TECHNOLOGY AND EQUIPMENT SURVEY, AUTOMATION, MASTER-SLAVE MANIPULATORS, ENVIRONMENTAL PROTECTION
AFSWC-TDR-62-117 N63-10670 02-17

SPUTTERING YIELDS FOR METALS UNDER NOBLE GAS ION

BOMBARDMENT N63-10764 02-24

EXISTENCE AND IDENTITY OF VIABLE MICROORGANISMS IN STRATOSPHERE N63-13268 07-16

HIGH ALTITUDE WATER-VAPOR DETECTORS - HYGROMETERS, VAPOR TRAPS, REFRACTOMETERS
AFCRL-63-407 N63-14435 10-15

SPUTTERING EFFECTS ON LUNAR SURFACE - SOLAR WIND AND MICROMETEORITES N63-15805 13-29

LUNAR SURFACE HIGH FREQUENCY SPUTTERING YIELD RELATED TO ION BOMBARDMENT DATA FOR POWDERED ROCK
NASA-CR-50229 N63-17204 15-07

PASSIVE REFLECTOR COMMUNICATION SATELLITE WITH LAMBERTIAN ECHO SURFACE
NASA-TN-D-1841 N63-20601 20-32

LUNAR TELEVISION CAMERA THREE MOTION MANIPULATOR - DESIGN, CONSTRUCTION, AND TESTING
NASA-CR-50992 N63-21118 21-08

COMMUNICATION PROPAGATION BY ARTIFICIAL SCATTERING DIPOLES AT SUB-IONOSPHERIC ALTITUDES
N63-22442 23-08

COMMUNICATION BY ARTIFICIAL SCATTERER SYSTEM
N63-22443 23-08

GENERAL MILLS, INC., ST. PAUL, MINN.
EXPLORATION OF STRATOSPHERE FOR VIABLE MICROORGANISMS
NASA-CR-50298 N63-18396 17-16

SIMULATION OF THE EFFECT OF SOLAR WIND BOMBARDMENT ON THE LUNAR SURFACE
NASA-CR-51082 N63-21111 21-29

SURFACE ENERGY STATES OF SINGLE CRYSTAL METALS BY ION BEAM SCATTERING & CONTACT POTENTIAL
ARL-63-139 N63-22242 23-25

MICROSCOPIC SYSTEM USING PNEUMATIC EQUIPMENT FOR STUDYING MARTIAN AEROSOLIZED SURFACE PARTICLES
NASA-CR-51538 N63-23035 24-29

GENERAL MOTORS CORP., ANDERSON, IND.
DEVELOPMENT OF SEALED SILVER OXIDE-ZINC SECONDARY BATTERIES
ASD-TDR-62-668 N63-12709 06-06

CELL DEVELOPMENT AND TESTS OF HERMETICALLY SEALED ZINC-SILVER OXIDE SECONDARY BATTERY FOR AEROSPACE APPLICATION N63-14154 09-06

INCREASE IN CYCLE LIFE OF SILVER-ZINC SECONDARY BATTERIES
RTD-TDR-63-4029 N63-23702 24-06

GENERAL MOTORS CORP., BRISTOL, CONN.
AIRFRAME BEARINGS FOR AEROSPACE VEHICLES
N63-10172 01-17

HIGH TEMPERATURE DATA FOR AIRFRAME BEARINGS FOR AEROSPACE VEHICLE N63-15684 12-17

AIRFRAME BEARINGS FOR AEROSPACE VEHICLES
N63-16333 13-17

GAS LUBRICATED BALL BEARINGS - INHERENT DAMPING CHARACTERISTICS N63-17872 16-17

AIRFRAME BEARINGS FOR AEROSPACE VEHICLES
ASD-TDR-63-716 N63-21300 21-17

GENERAL MOTORS CORP., DAYTON, OHIO.
QUANTITATIVE ANALYSIS OF ELASTOMERS BY INFRARED SPECTROSCOPY N63-13238 07-07

GENERAL MOTORS CORP., DETROIT, MICH.
AUTOMOBILE ACCIDENTS - INJURY POTENTIAL FROM INSTRUMENT PANEL & PROJECTIONS
N63-12860 07-16

GENERAL MOTORS CORP., INDIANAPOLIS, IND.
HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER - POTASSIUM-MERCURY AMALGAM HEAT TRANSFER AND TWO-PHASE FLOW N63-15016 11-13

MODIFICATION OF STIRLING CYCLE ENGINE FOR FLIGHT-TYPE SOLAR POWER SYSTEM N63-15716 12-17

MONOCAPILLARY EMITTER AS DUAL SOURCE OF IONS AND ELECTRONS
EDR-2617 N63-16307 13-24

ELECTROLYTE MATRIX COMBINATIONS FOR MERCURY-POTASSIUM FUEL CELL
NASA-CR-51566 N63-22584 23-26

GENERAL MOTORS CORP., KOKOMO, IND.
TRANSISTOR RELIABILITY, MANUFACTURING IMPROVEMENT, FAILURE ANALYSIS AND ANALYTICAL-EMPIRICAL SURFACE STUDY N63-21423 22-09

GENERAL MOTORS CORP., SANTA BARBARA, CALIF.
STRATO-LAB BALLOON PROGRAM AND ITS CONTRIBUTION TO MANNED SPACE FLIGHT N63-11157 03-04

NONEQUILIBRIUM MOLECULAR GAS RADIATION - RADIATIVE TRANSFER EQUATION SOLUTIONS IN TERMS OF ABSORPTION COEFFICIENTS & PLANCK-LIKE ENERGY DISTRIBUTIONS
TR62-209A N63-14030 09-23

MEASUREMENTS OF OPTICAL RADIATION FROM BOUNDARY LAYER FLOW ABOUT HEMISPHERE-CYLINDER BODIES AT 5.2 KM PER SECOND
TR62-209E N63-14031 09-11

MEASUREMENTS OF RADIATION FROM AIR IN STAGNATION REGION OF HIGH VELOCITY MODELS
TR62-209F N63-14032 09-11

MEASUREMENT OF INFRARED RADIATION ASSOCIATED WITH THE FLIGHT OF COPPER-COATED MODELS IN A FREEFLIGHT RANGE
TR62-209G N63-14033 09-11

FLIGHT PHYSICS RANGE - GAS GUN, INSTRUMENTATION, CALIBRATION, AND DATA REDUCTION
TR-62-213 N63-14034 09-10

PLASMA FREQUENCY AND ELECTRON COLLISION FREQUENCY CHARTS FOR HYPERSONIC VEHICLE EQUILIBRIUM FLOW FIELDS IN AIR
TR62-209C N63-14193 09-24

RADAR ABSORPTION EFFECTS MEASURED IN A FLIGHT PHYSICS RANGE
TR62-209B N63-14194 09-08

MICROWAVE PROBE AS A PLASMA DIAGNOSTICS TOOL AND ITS APPLICATION TO IONIZATION IN HYPERSONIC WAKES
TR62-2090 N63-14195 09-24

WAVE SCATTERING IN HOMOGENEOUS AND INHOMOGENEOUS PLASMA CYLINDERS WITH CALCULATIONS USING A SCALAR PRESSURE TERM TO EXPRESS ELECTRON THERMAL MOTION
TR62-209L N63-14196 09-24

EFFECT OF PLANE SLAB OF IONIZATION IN FOCAL PLANE OF FOCUSED LENS TRANSMISSION SYSTEM
TR62-209N N63-14197 09-24

FREE-FLIGHT TEST APPARATUS - GAS GUN FOR STUDY OF HYPERSONIC FLIGHT WITH HYPERVELOCITY PROJECTILE
TM-62-207 N63-15339 12-10

MECHANISMS OF DAMAGE TO THIN TARGETS BY IMPACT OF HYPERVELOCITY PROJECTILES
TM-63-201 N63-16481 14-30

METEOROID IMPACT - SHIELDING
TM-63-203 N63-16482 14-05

HYPERVELOCITY FLIGHT OF COPPER-PLATED-SPHERES IN LOW PRESSURE AIR - SHADOWGRAPHS AND RADIATION PATTERNS
DRL-TR-62-214, VOL. I N63-19240 18-10

MILLIMETER WAVELENGTH RADARS TO STUDY PLASMA EFFECTS OF HYPERSONIC VELOCITY PROJECTILES - REENTRY EFFECTS
TR-63-2178 N63-21552 22-24

FUNDAMENTAL MECHANISM OF DAMAGE TO THIN TARGETS BY

HYPERVELOCITY PROJECTILES
TR63-225 N63-23793 24-23

GENERAL PLASTICS CORP., BLOOMFIELD, N.J.
THIN POLYTETRAFLUOROETHYLENE RESIN LUBRICANT COATINGS PRODUCED BY ELECTODEPOSITION
N63-15272 12-17

GENERAL PRECISION, INC., GLENDALE, CALIF.
RELIABILITY TESTING OF L3020 DATA PROCESSING SYSTEM
N63-19867 19-01

GENERAL PRECISION, INC., BINGHAMTON, N.Y.
UNIVERSAL PRINT READER - SCANNER, CHARACTER RECOGNITION, AND DATA PROCESSING
RADC-TDR-63-181 N63-16401 14-20

GENERAL PRECISION, INC., LITTLE FALLS, N.J.
HIGH SPEED PNEUMATIC DIGITAL COMPUTER USED IN ALL PNEUMATIC GUIDANCE SYSTEM N63-13406 08-20

INERTIAL GUIDANCE SYSTEMS - STELLAR INERTIAL GUIDANCE N63-16859 14-22

GENERAL PRECISION, INC., TARRYTOWN, N.Y.
MULTIFUNCTION SPACE VEHICLE GUIDANCE SENSORS
N63-14754 11-22

MULTIFUNCTION SENSORS FOR SPACE VEHICLE GUIDANCE AND NAVIGATION - STAR FIELD TRACKING
N63-15916 13-22

MULTIFUNCTION SENSORS FOR SPACE VEHICLE NAVIGATION AND GUIDANCE N63-16826 14-22

GENERAL TECH. CORP., TORRANCE, CALIF.
MECHANISMS OF NONCONDENSABLE GAS CRYOTRAPPING
AEDC-TDR-63-147 N63-18734 17-11

COMPUTATIONS FOR STRESS AND STRESS CONCENTRATION IN CIRCULAR CYLINDRICAL SHELLS WITH CIRCULAR CUTOUT N63-23628 24-33

STRESS ANALYSIS OF CIRCULAR CYLINDRICAL SHELL WITH CIRCULAR CUTOUT N63-23687 24-33

GENERAL TELEPHONE AND ELECTRONICS LABS., INC., BAYSIDE, N.Y.
ELECTRON TUBE MATERIALS AND THERMIONIC EMISSION PROCESSES
AFCRL-62-905 N63-10145 01-09

ADSORPTION OF GASES ON SOLIDS IN HIGH VACUUM
TR-62-255.3 N63-15792 13-25

SOLID-STATE SELF-SCANNING DISPLAY DEVICE
RADC-TDR-62-601 N63-15829 13-25

ELECTRON TUBE MATERIALS AND THERMIONIC EMISSIONS
AFCRL-62-534 N63-15832 13-25

HIGH TEMPERATURE OXIDATION-RESISTANT COATINGS FOR TANTALUM ALLOYS, NIOBIUM, TUNGSTEN, AND MOLYBDENUM
ASD-TDR-63-160 N63-16496 14-17

DISLOCATION STUDIES IN DIAMOND X-RAY DIFFRACTION MICROSCOPY
AFCRL-63-65 N63-17608 16-25

ELECTRON TUBE MATERIALS & THERMIONIC EMISSION PROCESSES - NICKEL ALLOY CATHODES & THIN FILM BARIUM-NICKEL EMITTERS
AFCRL-63-194 N63-19757 19-09

ADSORPTION OF GASES ON SOLIDS IN HIGH VACUUM RANGE
AFCRL-63-170 N63-19769 19-09

FAILURE MECHANISMS IN HIGH POWER RADIO FREQUENCY GENERATING DEVICES
RADC-TDR-63-189 N63-21239 21-09

ADSORPTION OF GASES ON SOLIDS IN THE HIGH VACUUM RANGE
AFCRL-63-372 N63-22199 23-18

HIGH-POWER GRIDDED TRAVELING WAVE TUBE FAILURE
TR62-254.3 N63-23118 24-09

GENERAL TELEPHONE AND ELECTRONICS LABS., INC., PALO ALTO, CALIF.
ENERGY LEVELS OF MAGNETIC IONS IN COMPLEX METAL OXIDES - ORTHOFERRITE PARAMAGNETIC RESONANCE AND SPIN STRUCTURE COMPARED TO ORTHOALUMINATES
AFCRL-63-103 N63-16309 13-23

GENOA U. /ITALY/.
DIFFUSION COEFFICIENT AND THERMOCONDUCTIVITY OF SOLID ARGON N63-20074 20-25

THERMOCONDUCTIVITY OF SOLID ARGON - CRYOGENICS
E-302-P N63-21544 22-25

GEOLOGICAL SURVEY, WASHINGTON, D.C.
AERORADIOACTIVITY SURVEY AND RELATED SURFACE GEOLOGY IN CALIFORNIA
CEX-59.4.16 N63-11713 04-16

LUNAR GEOLOGY - ANALYSIS OF LUNAR PHOTOGRAPHS
N63-12785 06-29

GAMMA RADIOACTIVITY AIRBORNE SURVEY - CORRELATION WITH GEORGIA GEOLOGY
CEX-58.4.8 N63-16961 14-12

GEOPHYSICS CORP. OF AMERICA, BEDFORD, MASS.
TECHNIQUES USED TO TREAT RAREFIED GASES BY MEANS OF KINETIC THEORY AND FREE EXPANSION PROBLEM
AFCRL-62-1086, REPT. 7 N63-11003 03-11

CHEMILUMINESCENT REACTIONS OF MISSILE EXHAUST GASES WITH AMBIENT ATMOSPHERIC GASES
GCA-TR-62-25-A N63-11850 04-07

ROCKET POLLUTION OF UPPER ATMOSPHERE - CHANGES IN COMPOSITION, TEMPERATURE, ELECTRON DENSITY, AND AIRGLOW
GCA-TR-62-18-G N63-12770 06-12

METEOROLOGY OF MARS AND VENUS - THERMAL STRUCTURE AND CIRCULATION OF ATMOSPHERE
GCA-TR-63-6-N N63-13843 09-29

LONG RANGE EFFECTS OF ROCKET POLLUTION ON UPPER ATMOSPHERE - PERTURBATION OF PHOTOCHEMICAL SYSTEMS
GCA-TR-62-5-G N63-14035 09-12

SOLAR ULTRAVIOLET INTERACTIONS WITH ROCKET EXHAUST GASES IN UPPER ATMOSPHERE - ABSORPTION BY IONIZATION OR DISSOCIATION N63-14036 09-12

CHANGES IN TEMPERATURE STRUCTURE OF UPPER ATMOSPHERE - ROCKET POLLUTION
GCA-TR-62-13-G N63-14037 09-12

OZONOSPHERE CHANGES BY ROCKET EXHAUST GASES - OZONE RELAXATION TIMES AND OPTICAL PROPERTIES
GCA-TR-62-14-G N63-14038 09-12

IONOSPHERIC CHANGES DUE TO ROCKET EXHAUST CONTAMINATION
GCA-TR-62-15-G N63-14039 09-12

EQUATIONS FOR COMPUTING NUMBER DENSITY RATIOS FROM TEMPERATURE PROFILES
GCA-TR-63-2-A N63-14362 10-20

POLYNOMIAL FIT TO DEFINING POINTS FOR MEAN MOLECULAR WEIGHT IN 1962 U.S. STANDARD ATMOSPHERE
GCA-TR-63-4-A N63-14363 10-20

METEOROLOGY OF MARS AND VENUS - EFFECT OF CLOUD COVER ON RADIATION BALANCE OF MODEL ATMOSPHERES
N63-14678 10-29

COMPONENT VERTICAL TRANSFER IN CONSTANT GRADIENT ATMOSPHERE WITH THERMAL DIFFUSION
GCA-TR-62-4-G N63-15444 12-12

ELECTRON TEMPERATURE IN IONOSPHERE FROM SOLAR ULTRAVIOLET RADIATION
GCA-TR-62-11-N N63-17311 15-12

PLANETARY AERONOMY - SOLAR FLUX INCIDENT AT TOP OF ATMOSPHERES OF EARTH AND NEIGHBORING PLANETS FOR SPECTRAL REGION 50 TO 3000-A
GCA-TR-62-14-N N63-17312 15-28

PLANETARY AERONOMY - COMPILATION OF ABSORPTION SPECTRUM OF SOLAR VACUUM ULTRAVIOLET RADIATION BY ATMOSPHERIC GASES
GCA-TR-62-15-N N63-17313 15-07

PLANETARY AERONOMY - ATMOSPHERIC AIRGLOW OF DARK SIDE OF VENUS
GCA-TR-63-1-N N63-17314 15-05

PLANETARY AERONOMY - ATOMIC SHIELDING FACTORS AND CHANGES IN ATOMIC CHARGE DISTRIBUTION IN INTERACTION WITH MAGNETIC FIELD
GCA-TR-63-2-N N63-17315 15-23

PLANETARY AERONOMY - ABSOLUTE INTENSITY OF VACUUM ULTRAVIOLET RADIATION MEASURED BY PHOTOIONIZATION TECHNIQUE
GCA-TR-63-3-N N63-17316 15-07

PLANETARY AERONOMY - ROLE OF INTERPLANETARY DEBRIS IN PLANETARY ATMOSPHERES - SODIUM IN ATMOSPHERES OF EARTH, VENUS AND MARS
GCA-TR-63-4-N N63-17317 15-12

ELECTRON AND ION TEMPERATURES IN IONOSPHERE
GCA-TR-63-11-N N63-17318 15-12

EXPERIMENTAL AND THEORETICAL STUDIES OF PLANETARY AERONOMY AND ATMOSPHERES IN VACUUM ULTRAVIOLET
GCA-TR-63-12-N N63-17319 15-01

PLANETARY AERONOMY - ULTRAVIOLET ABSORPTION OF SULFUR DIOXIDE - DISSOCIATION ENERGIES OF SULFUR DIOXIDE AND SULFUR OXIDE
GCA-TR-63-13-N N63-17320 15-07

WINDS, DIFFUSION, AND EXPANSION OF GAS IN UPPER ATMOSPHERE
GCA-TR-62-13-N N63-18335 17-12

NAVIGATION OF LUNAR VEHICLES - OPTICAL TRACKING, LUNAR PHOTOMETRY LYMAN ALPHA AND THE LUNAR LIMB, AND TERRESTRIAL OCCULTATIONS OF STARS
GCA-TR-62-24-A N63-21173 21-22

LIGHT SCATTERING BY ATOMIC GAS SYSTEMS - DEVIATIONS FROM RAYLEIGH SCATTERING
GCA-TR-62-28-A N63-21349 21-23

DC PROBE FOR ROCKET MEASUREMENTS OF ELECTRON DENSITY AND TEMPERATURE IN IONOSPHERE
NASA-CR-51506 N63-21975 22-24

ELECTRON DENSITY IN THE IONOSPHERE - LANGMUIR PROBE ANALYSIS
NASA-CR-51507 N63-22016 22-12

AVERAGE SURFACE TEMPERATURE ON MARS ESTIMATED FROM RADIATIVE EQUILIBRIUM
NASA-CR-51990 N63-22512 23-29

GEORGE WASHINGTON U., WASHINGTON, D.C.
IMPROVING FLIGHT PROFICIENCY EVALUATION IN ARMY HELICOPTER PILOT TRAINING
HUMRRO-TR-77 N63-11200 03-14

SURVEY OF OPERATIONAL FLYING ACTIVITIES OF ROTARY WING AVIATORS
HUMRRO-TR-75 N63-11339 03-14

EFFECTS OF SENSORY DEPRIVATION AND ISOLATION ON HUMAN BEHAVIOR N63-11459 03-14

LOW ALTITUDE AERIAL RECONNAISSANCE - INSTRUCTION
HUMRRO-TR-80 N63-12968 07-14

TRAINING MATERIAL FOR AERIAL OBSERVER INSTRUCTION IN VISUAL SKILLS
HUMRRO-TR-80, SUPPL. N63-12969 07-14

HELICOPTER PILOT TRAINING, AERIAL RECONNAISSANCE, NAVIGATION, INSTRUMENTATION, AERIAL GUNNERY
N63-13083 07-14

FIELD EXPERIMENTS ON VISUAL AERIAL OBSERVATION
N63-13084 07-14

PREDICTION OF TRAINING REQUIREMENTS FOR FUTURE WEAPONS SYSTEMS - MAN-MACHINE CONCEPTS, HUMAN FACTORS
HUMRRO-TR-83 N63-15564 12-14

VIGILANCE PERFORMANCE AS FUNCTION OF TASK AND ENVIRONMENTAL VARIABLES - HUMAN BEHAVIOR AND TRAINING
HUMRRO-RR-11 N63-16377 14-14

DRUGS FOR PROPHYLAXIS AND TREATMENT OF MOTION SICKNESS N63-19832 19-16

ARMY TRAINING PROGRAM - HUMAN RESOURCES RESEARCH
N63-20330 20-14

AIRCREW TRAINING N63-22151 22-14

FLIGHT TRAINING QUALITY CONTROL SYSTEM AND ITS APPLICATION TO HELICOPTER TRAINING
N63-22674 23-14

SELF-INSTRUCTION METHOD OF FIXED PROCEDURES TRAINING N63-22808 23-14

EDUCATING PROGRAMMER FOR DATA PROCESSING BY SNAP METHOD N63-23108 24-01

GEORGETOWN U., WASHINGTON, D.C.
KINEMATIC STUDIES OF EARLY-TYPE STARS - PHOTOMETRIC SURVEY, SPACE MOTIONS AND COMPARISON WITH RADIO OBSERVATIONS
NASA-RP-109 N63-22952 23-05

GEORGIA INST. OF TECH., ATLANTA.
UPPER ATMOSPHERE WIND MEASUREMENTS DETERMINED FROM TWELVE ROCKET EXPERIMENTS - SODIUM AND CESIUM VAPOR CLOUDS N63-11244 03-12

POSITION DETERMINATION OF ARTIFICIAL CLOUDS IN THE UPPER ATMOSPHERE N63-11245 03-12

VISCOUS COMPRESSIBLE FLOW UNDER INFLUENCE OF RESONANT ACOUSTIC FIELD
ARL-62-457 N63-12320 05-11

SUBMILLIMETER INTERFERENCE SPECTROMETER
N63-12352 06-15

HIGH ALTITUDE ULTRAVIOLET BACKGROUND STUDY USING THE SCANNING PHOTOELECTRIC EBERT SPECTROMETER
AFCRL-63-252 N63-13932 09-12

ALUMINUM OXIDE IN ATMOSPHERE - SCATTERING AND PHOTOGRAPHIC TRACKING
AFCRL-63-466 N63-16417 14-12

PHOTOCHEMISTRY, PHYSICAL STATE AND MOTION OF UPPER ATMOSPHERE BY CHEMICAL RELEASE
AFCRL-63-488 N63-17437 15-12

ABSORPTIVITY AND EMISSIVITY OF METAL PARTICLES IN GAS STREAM - HEAT TRANSFER TO GAS
NASA-CR-50317 N63-18370 17-13

CERAMIC COMPOSITE MATERIALS FOR MISSILE STRUCTURAL APPLICATIONS N63-20471 20-19

IONOSPHERIC CURRENT - WIND SHEAR IN E-REGION
NASA-TN-D-2114 N63-21272 21-12

SYMPOSIUM ON ENGINEERING FOR MAJOR SCIENTIFIC PROGRAMS N63-22271 23-29

LIVING GRASSHOPPER NEUROBLASTS EXPOSED TO OZONE - MITOTIC DELAY
SAM-TDR-63-39 N63-22981 23-16

SYNTHESIS OF ENDOTHERMIC CHEMICAL SPECIES REQUIRING CRYOGENIC TEMPERATURES
NASA-CR-51656 N63-23041 24-26

GEORGIA U., ATHENS
PROGRESSIVELY CENSORED SAMPLES IN LIFE TESTING
AROD-2773-6 N63-11674 04-20

INFRARED SPECTRA OF PLASTICS & ELASTOMERS AFTER NUCLEAR IRRADIATION - CHANGE IN MOLECULAR STRUCTURE & GROWTH & DECAY OF DOUBLE CARBON BONDS
N63-23057 24-19

ESTIMATION OF PARAMETERS IN MIXTURES OF DISCRETE DISTRIBUTION USING SAMPLE MOMENTS AND ZERO FREQUENCIES - POISSON DISTRIBUTION
N63-23426 24-20

GEOSCIENCE INC., CAMBRIDGE, MASS.
RESISTIVITY SURVEY OF DEEP STRATA PROPAGATION
AFCRL-63-370 N63-23804 24-08

GEOSCIENCE INC., LEXINGTON, MASS.
DEEP RESISTIVITY SURVEY IN NEBRASKA - SUBSURFACE LAYERS
AFCRL-62-959 N63-12828 06-12

GEOSCIENCE LTD., LA JOLLA, CALIF.
HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER FOR ATOMIC ENERGY COMMISSION - MOMENTUM TRANSFER, TWO-PHASE FLOW, FREE AND FORCED CONVECTIONS
N63-15022 11-13

GERMAN-FRENCH RESEARCH INST., SAINT-LOUIS /FRANCE/.
FLASH RADIOGRAPHIC MEASUREMENT OF THE SHOCK COMPRESSIBILITY OF MAGNESIUM ALLOY, LUCITE, AND POLYETHYLENE
AFSWC-TDR-62-134 N63-13522 08-33

OBSERVATION TECHNIQUES AND RESULTS FOR STUDY OF FLOW OF HEATED HYPERSONIC WAVES
N63-15326 12-11

SPHERICAL DETONATIONS OF ACETYLENE OXYGEN NITROGEN MIXTURES AS FUNCTION OF NATURE AND STRENGTH OF INITIATION N63-18527 17-26

GHANA U., LEGON.
ELONGATION OF IRREGULARITIES IN THE EQUATORIAL IONOSPHERE - FADING OF RADIO WAVES BY SCATTERING
AFCRL-62-902 N63-10134 01-12

ROTATING AERIAL BACKSCATTER SOUNDER - F-REGION
AFCRL-62-903 N63-10135 01-12

F REGION IRREGULARITIES BY BACKWARD SCATTER TECHNIQUES - EQUATORIAL IONOSPHERE
AFCRL-63-197 N63-18781 18-12

GIANNINI CONTROLS CORP., BERWYN, PA.
FLIGHT CONTROL OF AEROTHERMOELASTICALLY AFFECTED VEHICLES N63-11066 03-33

ACCURACY OF DECAY-DAMPING OF AEROELASTIC SYSTEMS
ARD-TR-02-003 N63-11440 03-33

GIANNINI CONTROLS CORP., DUARTE, CALIF.
SUBMINIATURE ELECTRICALLY RESTRAINED-RATE GYRO FOR ACCURACY UNDER HIGH VIBRATION AND ACCELERATION - FULLY FLOATED GYROSCOPE
GDR-63039 N63-21717 22-15

SUBMINIATURE RATE INTEGRATING GYROSCOPE
GDR-63040 N63-22927 23-15

GIANNINI CONTROLS CORP., MALVERN, PA.
LINEAR, HIGH GAIN, PROPORTIONAL FLUID AMPLIFIERS
ARD-TR-013-01 N63-23645 24-11

GIRAVIONS DORAND CO., PARIS /FRANCE/.
WAKE VORTEX EFFECT ON AERODYNAMIC LOADS OVER HELICOPTER ROTOR DISC N63-21828 22-04

GLASFLUGEL, SCHLATTSTALL KREIS NURTINGEN /W. GERMANY/.
ROTORS AND PROPELLERS OF GLASS FIBER REINFORCED PLASTICS N63-20129 20-03

GLASGOW U. /GT. BRIT./
INTRODUCTORY SURVEY OF AEROELASTICITY - MOTION EQUATIONS, AERODYNAMIC FORCES, OSCILLATIONS, FLUTTER, AERODYNAMIC HEATING N63-14114 09-33

INTRODUCTION TO AEROELASTICITY THEORY
N63-17816 16-02

EFFECT OF INTERNAL CRACKS ON DISTRIBUTION OF STRESS IN THIN ELASTIC SHEETS AND CYLINDERS
N63-18218 17-33

GOODRICH-HIGH VOLTAGE ASTRONAUTICS, INC., BURLINGTON, MASS.
THERMIONIC CATHODES FOR ELECTROSTATIC ENGINES - EMISSION MECHANISMS, DISPENSATION MECHANISMS, AND CATHODE OPTIMIZATION
NASA-CR-51584 N63-22703 23-09

GOODYEAR AEROSPACE CORP., AKRON, OHIO.
EFFECTS OF MECHANICAL DAMAGE ON PERFORMANCE OF FILAMENT-WOUND MOTOR CASES
GER-11154A N63-21035 21-33

SOLAR REFLECTOR FOAMING TECHNOLOGY
GER-11234 N63-21240 21-28

MECHANICAL DAMAGE EFFECTS ON PERFORMANCE OF FILAMENT WOUND MOTOR CASE
GER-11154B N63-23559 24-17

SYSTEMS FOR AUTOMATICALLY ORIENTING VARIOUS-SIZED SOLAR CELL FLAT-PANEL ARRAYS TO SUN
GER-11184 N63-23612 24-15

GOODYEAR AIRCRAFT CORP., AKRON, OHIO.
SOLAR POWER SUPPLY ORIENTATION SYSTEM
N63-14147 09-06

SOLAR REFLECTOR FOAMING TECHNOLOGY
GER-11012 N63-17530 16-07

ADVANCED ANTENNA DESIGN TECHNIQUES - SYNCOM PROJECT GROUND-BASED TRACKING SYSTEMS AND SPACECRAFT COMMUNICATIONS SYSTEM
GER-10979 N63-19274 18-08

GOTTINGEN U. /W. GERMANY/.
ABSORPTION AND TRANSMISSION OF ELECTROMAGNETIC WAVES BY TWO FERRITE MATERIALS
RADC-TDR-62-528 N63-10556 01-23

ABSORPTION AND TRANSMISSION OF ELECTROMAGNETIC WAVES
RADC-TDR-62-529 N63-10569 01-23

COMBINATION OF MAGNETIC LAYER AND WEDGE-TYPE ELECTROMAGNETIC WAVE ABSORBER
RADC-TDR-62-531, VOL. 1 N63-10570 01-23

REFLECTION COEFFICIENT OF FERRITE LAYERS SHUNTED WITH A GRAPHITE FOIL
RADC-TDR-62-531, VOL. II N63-10571 01-23

RESONANCE ABSORBERS WITH ABSORBING STRUCTURES IN OR BEHIND A METAL PLATE
RADC-TDR-62-530 N63-10572 01-23

SOUND PROPAGATION IN SOUND-ABSORBENT DUCTS WITH SUPERIMPOSED AIR STREAM
AMRL-TDR-62-140/III/ N63-13144 07-23

SOUND PROPAGATION IN SOUND-ABSORBENT DUCTS WITH SUPERIMPOSED AIR STREAMS
AMRL-TDR-62-140/II/ N63-13192 07-23

SOUND PROPAGATION IN SOUND-ABSORBENT DUCTS WITH SUPERIMPOSED AIRSTREAMS
AMRL-TDR-62-140/I/ N63-13277 07-23

GASEOUS PHASE OF DETONATION - RELATION TO ROCKET PROPULSION
AIAA PAPER-63-227 N63-17921 16-27

NEW ANALOGIES BETWEEN SOUND WAVE & ELECTROMAGNETIC WAVE - OSCILLATION - ACOUSTICS
N63-18241 17-23

REACTION ZONE AND STABILITY OF GASEOUS DETONATIONS - GAS DYAMICS N63-18545 17-11

IGNITION AND KNOCK REACTION OF HYDROCARBON FUELS & HYDROGEN-OXYGEN MIXTURES IN STUDY OF INTERNAL COMBUSTION ENGINES N63-18594 17-26

DETONATION AND SHOCK TUBE STUDIES OF HYDRAZINE AND NITROUS OXIDE MIXTURES
ARL-63-157 N63-22347 23-26

GRANGER ASSOCIATES, PALO ALTO, CALIF.
ELECTRICAL CHARACTERISTICS OF POINT-TO-POINT LOG

PERIODIC ANTENNA SYSTEM N63-15783 13-08

ROUP FOR THE ADVANCEMENT OF SPECTROSCOPIC ETHODS, PARIS /FRANCE/.
FAR INFRARED SPECTRA OF CRYSTALS AND SOLIDS IN A LARGE RANGE OF TEMPERATURES
AFCRL-63-326 N63-20505 20-25

RUMMAN AIRCRAFT ENGINEERING CORP., BETHPAGE, N.Y.
HYDROELASTIC EFFECTS ON THE LIFT OF HIGH SPEED HYDROFOILS
STR-MAR-100 N63-10155 01-11

NICKEL-CADMIUM BATTERIES FOR THE ORBITING ASTRONOMICAL OBSERVATORY /OAO/
ARS PAPER-2508-62 N63-10257 01-06

NONLINEAR SHALLOW SHELL ANALYSIS BY THE MATRIX FORCE METHOD N63-10861 02-33

MATCHING CONDITIONS FOR THE MODIFIED NEWTONIAN, PRANDTL-MEYER EXPANSION AND PRESSURE ESTIMATION FOR HYPERSONIC FLOW OVER BLUNT BODIES
RM-205 N63-11314 03-03

ANALYSIS OF SKIMMER FOR HIGH INTENSITY MOLECULAR BEAM USING THREE-FLUID MODEL
RM-214 N63-12346 05-11

FAVORABLE WING-BODY INTERFERENCE FOR SUPERSONIC AIRCRAFT - DESIGN PARAMETERS N63-14024 09-34

ENGINEERING DESIGN OF ORBITING ASTRONOMICAL OBSERVATORY SATELLITES - OPTICAL SYSTEMS, THERMAL CONTROL, ORIENTATION AND STABILIZATION
N63-15172 11-32

SIMULATION OF TILT-WING AIRCRAFT HANDLING QUALITIES
RE-162 N63-15725 12-10

HYDRODYNAMIC EQUATIONS FOR VELOCITY POTENTIAL AND FREE SURFACE OF FLUID FLOW AROUND SHIP HULL
RE-164 N63-16361 14-20

VIBRATION DESIGN PROCEDURES AND ENVIRONMENTAL TESTING OF ORBITING ASTRONOMICAL OBSERVATORY
N63-16756 14-32

IMPEDANCE IN VIBRATION TESTING OF SPACECRAFT LAUNCH VEHICLES N63-16770 14-30

SPACECRAFT GUIDANCE - LOW THRUST PROPULSION TRAJECTORIES N63-16804 14-29

RELIABILITY ANALYSIS OF REDUNDANCY MECHANISMS
N63-17283 15-20

LIAPUNOV STABILITY AND OPTIMAL CONTROL
RN-154 N63-17665 16-20

STRESS DISTRIBUTION AROUND HOLES IN SPHERICAL SHELL MEMBRANE UNDER INTERNAL PRESSURE
RE-163 N63-17671 16-33

SYNTHESIS OF LINEAR AND NONLINEAR CONTROL SYSTEMS BY LIAPUNOV STABILITY THEORY
RN-153 N63-17673 16-20

DYNAMIC TESTING OF ORBITING ASTRONOMICAL OBSERVATORY
AIAA PAPER-63-176 N63-17922 16-30

BETA RADIATION METHOD OF MEASURING COATING THICKNESS - NONDESTRUCTIVE TESTING
ADR-09-06B-62 N63-17943 16-17

GAS DETECTION, ANALYSIS, AND MONITORING METHODS IN MANNED SPACECRAFT
ADR-04-06-62.1 N63-17944 16-15

FATIGUE TESTS OF STEEL AND EFFECT ON FATIGUE STRENGTH DECARBURIZATION
ADN-02-01-62.1 N63-18094 16-18

WET TANTALUM CAPACITORS FOR SPACE ENVIRONMENT
ADN-03-16-62.1 N63-18095 16-09

HYDRODYNAMIC IMPACT LOADS ON BOWS OF HYDROFOIL BOATS
ADR-02-08-62.3 N63-18096 16-33

FLEXIBLE WHEEL STRESS STRAIN DIAGRAMS
ADR-04-05-62.1 N63-18097 16-34

MATERIAL REMOVAL BY EXPLOSIVES - PRESSURE DISTRIBUTION-TIME DEPENDENCY IN DETONATION AREA
ADR-07-13-62.1 N63-18098 16-23

LOW THRUST PROPULSION INTERPLANETARY TRAJECTORY FLIGHT OPTIMIZATION - GUIDANCE SYSTEMS
N63-18690 17-29

LOW THRUST TRAJECTORY ANALYSIS - GUIDANCE SYSTEMS
N63-18691 17-29

LOW THRUST TRANSFER BETWEEN CIRCULAR ORBITS - GUIDANCE SYSTEMS N63-18692 17-29

EQUATIONS GOVERNING FREE VIBRATIONS OF THICK, COMPOSITE, ORTHOTROPIC, CIRCULAR, CYLINDRICAL SANDWICH SHELLS
RE-165 N63-20615 20-33

TRAJECTORY OPTIMIZATION TECHNIQUE BASED ON THEORY OF SECOND VARIATION
AIAA PAPER-63-415 N63-20762 21-29

MATHEMATICAL COMPUTATION OF CLASSICAL TRAJECTORIES OF GAS MOLECULES NEAR CRYSTALLINE SOLID
AIAA PAPER 63-463 N63-20797 21-23

FLIGHT TESTING OF VARIABLE SWEEP-WING AIRCRAFT
N63-21373 22-02

HYPERSONIC GAS FLOW OVER BLUNT NOSED BODIES - TECHNIQUE OF CONSTRUCTING SOLUTIONS VALID IN INVESTIGATED REGIONS
TR-25 N63-21785 22-11

HYDRODYNAMIC CHARACTERISTICS OF SUPERCAVITATING AND TRANSCAVITATING HIGH-SPEED HYDROFOIL MODEL
XAR-A-45 N63-23134 24-11

GRUNZWEIG AND HARTMANN A.G., LUDWIGSHAFEN AM RHEIN /W. GERMANY/.
STRUCTURAL DESIGN OF SANDWICH PANELS FOR INCREASED RESONANCE FATIGUE LIFE BY DAMPING BENDING WAVES
ASD-TDR-62-1098 N63-13491 08-34

GT. BRIT. DEPT., OF SCIENTIFIC AND INDUSTRIAL RESEARCH.
STRUCTURE OF UPPER IONOSPHERE AS OBSERVED BY TOPSIDE SOUNDER SATELLITE, ALOUETTE
RRS/IM-94 N63-19849 19-12

RADIO PROPAGATION IN F-LAYER OF IONOSPHERE AND TROPOSPHERE - INFLUENCE OF COSMIC RAYS
N63-20799 21-09

GT. BRIT. MINISTRY OF AVIATION, LONDON.
LIGHTWEIGHT ALLOY AND SLENDER WING DESIGN FOR SUPERSONIC TRANSPORT AIRCRAFT
WGL PAPER-6 N63-10005 01-04

SPACE SYSTEMS ENGINEERING - EUROPEAN COOPERATIVE SPACE VEHICLE AND ROCKET LAUNCHER DEVELOPMENT
N63-18931 18-30

CONSTRUCTION AND DESIGN OF EQUIPMENT FOR EXPLOSIVE HOLE PUNCHING OF METALLIC PLATES - DYNAMIC DEFORMATION N63-19617 19-17

GT. BRIT. MINISTRY OF AVIATION, MOTTINGHAM.
FORMATION REACTIONS OF NITROXYCHLORIDE
TIL/T-5372 N63-10573 01-07

MANUFACTURE AND APPLICATION OF AIR-COOLED DISC TRIODE
TIL/T-5319 N63-10574 01-09

MELTING OF POLYETHYLENES
TIL/T-5331 N63-10581 02-07

MECHANICS OF CHEMICAL REACTIONS
TIL/T-5327 N63-10591 02-07

ISOMERISM OF DINITROGEN TETROXIDE - KINETICS OF

REACTION OF NITROGEN DIOXIDE WITH HYDRAZOIC ACID
TIL/T-5369 N63-10606 02-07

CIRCULATION RATE EFFECTS ON HEAT EMISSION IN THE BOILING OF LIQUIDS IN VERTICAL PIPES
TIL/T-5306 N63-11168 03-13

PHOTOCHEMICAL DECOMPOSITION OF CHLORINE MONOXIDE
TIL/T-5316 N63-11169 03-07

DEFINITIONS FOR EXPLOSIVE AND SIMILAR MATERIALS
TIL/T-5193 N63-11650 04-01

PREPARATION AND PROPERTIES OF GLYCOL NITRATES
TIL/T-5339 N63-11651 04-07

CALORIMETRIC PROBE SENSITIVITY ANALYSIS
AERONAUTICAL ENG. REPT.-633 N63-11978 05-15

STABILITY OF COMPRESSIBLE LAMINAR BOUNDARY LAYER
N63-12180 05-11

ELECTRODYNAMIC MOVING COIL METER FOR MEASURING EXPLOSION VIBRATIONS
TIL/T-5280 N63-12363 06-15

KINETICS OF THERMAL DECOMPOSITION OF GASEOUS CHLORINE HEPTOXIDE
TIL/T-5314 N63-12599 06-07

KINETICS OF REACTION OF CHLORINE DIOXIDE WITH NITROGEN DIOXIDE IN SOLUTION PHASE
TIL/T-5373 N63-12600 06-07

ROTATING STALL IN SINGLE-STAGE AXIAL COMPRESSOR
TIL/T-5379 N63-12601 06-11

OPTICS AND STRUCTURE OF CATHODE SPUTTERED LAYERS WITH SPECIAL REFERENCE TO REACTION WITH RESIDUAL GAS
TIL/T-5202 N63-12721 06-23

VISCOMETRIC DETERMINATION OF MOLECULAR WEIGHT OF POLYMERS
TIL/T-5363 N63-12722 06-07

USE OF TRITIUM FOR DETERMINING RELATIVE CONSTANTS OF ABSTRACTION RATES OF HYDROGEN ATOMS IN ORGANIC COMPOUNDS - HYDROCARBONS IN RADICAL REACTIONS
TIL/T-5370 N63-12955 07-07

AUTOMATIC APPARATUS FOR ESTIMATING COMMON ELEMENTS IN ORGANIC MATTER
TIL/T-5107 N63-13318 07-07

MAXIMUM RATE OF BURNING OF POTASSIUM PICRATE UNDER PRESSURE VARIATION - EXPLOSIVES
TIL/T-5390 N63-13666 08-07

NITROGEN MONOHYDRIDE AS INTERMEDIATE PRODUCT OF DECOMPOSITION OF CHLOROAMINE BY ULTRAVIOLET IRRADIATION
TIL/T-5368 N63-13739 08-07

COLORED FLAME COMPOSITION OF FIREWORKS - EFFECT OF COMBUSTION, OXIDATION AGENTS & COLORING AGENTS
TIL/T-5129 N63-14408 10-07

ANALOG METHOD OF CALCULATING LINEARIZED, UNSTEADY, INCOMPRESSIBLE FLOWS AND LIFT SURFACE THEORY
TIL/T-5323 N63-14451 10-11

HIGH CONSTANCY SHORTWAVE DECADE EXCITER STAGE FOR RANGE OF 1.5 TO 30 MC/S - FREQUENCY GENERATION AND STABILITY OF AUTOMATIC FREQUENCY CONTROL
TIL/T-5326 N63-14552 10-09

GIVE IN EXPANSION OF CORRUGATED TUBES
TIL/T-5032 N63-14640 10-33

CREEP AND STRESS ANALYSIS OF TURBINE DISK MODELS AT HIGH TEMPERATURE IN STEEL TEST CHAMBER
TIL/T-4957 N63-14725 11-33

HEAT EXCHANGE IN NUCLEATE BOILING
TIL/T-5387 N63-14726 11-13

OPTIMUM DROP DISTRIBUTION IN COMBUSTION OF PARTIALLY VAPORIZED FUEL
TIL/T-5386 N63-14794 11-26

ANALYSIS OF CRITERION RELATIONSHIPS FOR LIQUID BOILING IN TUBES - LIQUID DYNAMICS - HEAT TRANSFER
TIL/T-5388 N63-15898 13-13

LASERS - BIBLIOGRAPHY, 1958 TO 1962
N63-16379 14-25

TURBINE ROTOR BLADE TIP FLUID FLOW
TIL/T-5325 N63-16903 14-11

AIR COOLED GAS TURBINE BLADE
TIL/T-5374 N63-16963 14-34

SENSITIVITY OF EXPLOSIVES TO HANDLING
TIL/T-5394 N63-20276 20-19

UNIFORM DISPLACEMENT DIAGRAM FOR THREE-DIMENSIONAL TRUSS PROBLEMS - GRAPHIC STATICS
TIL/T-5344 N63-20277 20-17

QUANTITATIVE ANALYSIS OF HYDROGEN AND CARBON IN ORGANIC COMPOUNDS
TILTK-5378 N63-21674 22-16

HYDRODYNAMIC PROCESSES IN PSEUDO-COMBUSTIBLE LAYER OF SOLID PARTICLES UNDER HIGH PRESSURE
TIL/T-5352 N63-22467 23-11

USSR ABSTRACTS ON MECHANICS - HYDRODYNAMICS, HYDROLOGY, VISCOUS FLUID, ELASTICITY, PLASTICITY, BOUNDARY LAYER, HEAT-TRANSFER AND DIFFUSION
N63-23052 24-23

EFFECT OF DISTURBANCES ON MEASUREMENT OF DOPPLER FREQUENCY OF SINGLE RADAR ECHO PULSE
TIL/T-5376 N63-23073 24-08

CHEMICAL REACTIONS AND PROPERTIES OF POLYETHYLENE GLYCOLS AND THEIR NITRATES
TIL/T.5342 N63-23397 24-07

GULF RESEARCH AND DEVELOPMENT CO., PITTSBURGH, PA.
LIFE OF HIGH-SPEED HIGH-TEMPERATURE LUBRICANTS
N63-17841 16-17

GULTON INDUSTRIES, INC., METUCHEN, N.J.
NICKEL-CADMIUM BATTERIES FOR THE ORBITING ASTRONOMICAL OBSERVATORY /OAO/
ARS PAPER-2508-62 N63-10257 01-04

SEALED NICKEL-CADMIUM BATTERIES - TESTING INSULATION MATERIAL IN ELECTROLYTE
N63-14151 09-04

NICKEL CADMIUM BATTERIES - RESISTANCE, IMPEDANCE, CAPACITANCE AND PHASE SHIFT
ASD-TDR-63-191 N63-16742 14-04

H

HAMBURG MODEL BASIN /W. GERMANY/.
HYDRODYNAMIC FORCES INFLUENCING HYDROFOIL OSCILLATION N63-15033 11-11

HAMBURG U. /W. GERMANY/.
TABLES OF CROSS SECTIONS OF NUCLEAR REACTIONS WITH NEUTRONS IN 14 TO 15-MEV ENERGY RANGE
EUR-122.E N63-17772 16-23

HANFORD ATOMIC PRODUCTS OPERATION, RICHLAND, WASH.
QUASI-ELASTIC SCATTERING BY ROOM TEMPERATURE LIGHT WATER
HW-75147 N63-10360 01-23

ATMOSPHERE - RADIOLOGY - RADIATION
HW-73337 N63-11665 04-21

MONITORING OF ZIRCALOY-2 PRESSURE TUBES OF THE PRTR REACTOR FOR HIGH TEMPERATURE AND RADIATION EFFECTS
HW-74731, PT. II N63-11805 04-21

POSTIRRADIATION EVALUATION OF ZIRCALOY-2 PLUTONIUM RECYCLE TEST REACTOR PRESSURE TUBES - PART I

HW-73698, REV. N63-11974 05-17

CREEP PROPERTIES OF ZIRCALOY-2 FOR DESIGN APPLICATION
HW-75267 N63-11975 05-18

COINCIDENCE COUNT ALPHA PARTICLE AIR MONITOR
HW-75384 N63-11976 05-15

PLUTONIUM OXIDE - URANIUM OXIDE TESTS
HW-71232 N63-12007 05-07

THERMODYNAMICS, KINETICS, AND EFFECTS OF CHEMICAL CONCENTRATIONS ON ALUMINUM-SULFATE PRODUCTION
HW-73747 REV. N63-12055 05-07

ELECTRICAL PROPERTIES OF PLUTONIUM OXIDES - RESISTIVITY, ACTIVATION ENERGY, AND THERMOELECTRIC POWER DETERMINATIONS
HW-75120 N63-12410 06-23

NUCLEAR PHYSICS, REACTOR PHYSICS AND MASS PHYSICS
HW-75228 N63-12411 06-23

RADIATION DAMAGE IN GRAPHITE BY HIGH ENERGY ELECTRONS - LENGTH, LATTICE SPACING AND RESISTIVITY CHANGES
HW-75428 N63-12412 06-19

THERMOCONDUCTIVITY OF IRRADIATED & NONIRRADIATED, SINTERED & NONSINTERED URANIUM OXIDE RELATED TO CRYSTALLINE STRUCTURE
HW-69945 N63-12454 06-23

MEASUREMENT OF CYLINDRICAL SHAPES BY ANALYSIS OF CIRCUMFERENTIAL VARIATION FROM PERFECT CYLINDER - APPLICATION TO REACTOR FUEL ELEMENT MONITORING
HW-71521, REV N63-12455 06-15

DEVICE FOR RECORDING FUEL ELEMENT DIMENSIONS DIRECTLY ON PUNCHED PAPER TAPE IN DECIMAL DIGITAL FORM
HW-75746 N63-12456 06-15

INVESTIGATION OF UPSTREAM BOILING BURNOUT CONDITIONS
HW-73902 REV N63-12724 06-23

ULTRASONIC LAMB-WAVE PROPAGATION MODELS FOR NONDESTRUCTIVE TESTING
HW-75499 N63-12725 06-17

SCATTERING LAW FOR ROOM TEMPERATURE LIGHT WATER
HW-75526 N63-12726 06-23

IRRADIATED ZIRCALOY PRESSURE TUBE FOR NUCLEAR REACTOR LOOP
HW-67949-REV N63-12947 07-17

REACTOR R&D - FUELS, MATERIALS SCIENCE, FUEL CELL, NONDESTRUCTIVE TESTING, PLUTONIUM RECYCLE TEST REACTOR
HW-75914 N63-13015 07-01

REACTOR METALLURGY RESEARCH - IRRADIATION DAMAGE, MATERIALS DEVELOPMENT FOR PLUTONIUM RECYCLE TEST REACTOR & HANFORD PRODUCTION REACTOR /N/
HW-76228 N63-13954 09-23

PROTOTYPE BURST TEST CHAMBER FOR IRRADIATED PRESSURE TUBES FROM HANFORD REACTOR
HW-76158 N63-14051 09-33

RADIOISOTOPIC HEAT SOURCES
HW-76323 N63-14308 10-23

QUANTITATIVE ANALYSIS OF MULTICOMPONENT PULSE-HEIGHT SPECTRUM FROM DECAY OF RADIONUCLIDES
HW-75806 N63-14863 11-20

OXIDATION OF HEAT RESISTANT IRON- AND NICKEL-BASE ALLOYS IN HIGH TEMPERATURE NUCLEAR REACTOR ENVIRONMENT
HW-76952 N63-15365 12-18

ATMOSPHERIC TRACER TECHNIQUE USING ZINC SULFIDE AND FLUORESCENCE
HW-70892 N63-15532 12-21

HEAT TREATMENT, TENSILE PROPERTIES, AND CORROSION RESISTANCE OF ZIRCONIUM ALLOY FOR USE AS CLADDING IN WATER-COOLED NUCLEAR REACTOR
HW-71023 N63-15552 12-18

REACTOR POWER SPECTRUM ANALYZER FOR USE WITH RANDOM NEUTRON FLUX LEVEL SIGNALS
HW-74783 N63-15559 12-09

CIRCUITS ADDING PULSE-HEIGHT AND DIGITAL DATA ON MULTICHANNEL ANALYZER MEMORY
HW-71044 N63-15674 12-09

PLUTONIUM RECYCLE TEST REACTOR PUMP OPERATING EXPERIENCE - MECHANICAL SEAL LIFE
HW-76646 N63-15675 12-17

RECOVERY & RECRYSTALLIZATION OF ZIRCONIUM ALLOYS - ANNEALING EFFECTS IN ZIRCALOY 2 & 3
HW-69680 N63-15721 12-18

RESPONSES OF VARIOUS DETECTOR SAMPLE ARRANGEMENTS FOR GAMMA-RAY SPECTROMETRIC MEASUREMENTS
HW-68525 N63-15722 12-23

CERAMICS, FUEL SYSTEMS, AND PLUTONIUM METALLURGY
HW-76300 N63-16411 14-17

IRRADIATION OF ZIRCALOY-2 CLAD URANIUM RODS IN SODIUM-POTASSIUM-FILLED CAPSULES - FUEL ELEMENTS
HW-67072 N63-16414 14-06

THEORETICAL AND EXPERIMENTAL REACTOR PHYSICS AND EXPERIMENTAL CRITICAL MASS PHYSICS - NUCLEAR REACTOR PLUTONIUM-ALUMINUM FUEL ELEMENTS
HW-76128 N63-16419 14-23

FREQUENCY ANALYSIS OF SOME CLIMATOLOGICAL EXTREMES AT HANFORD, WASHINGTON
HW-75445 N63-16534 14-21

REACTOR TECHNOLOGY - PROPERTIES OF FUEL MATERIALS AND FABRICATION
HW-76559 N63-17456 15-01

DEVELOPMENT OF ASPHALT LUBRICANTS FOR PROTECTION OF REFRACTORY METALS
HW-77291 N63-17476 15-07

EROSION-CORROSION OF ALUMINUM ALLOYS - REACTOR SIMULATION
HW-74359, REV. N63-18115 16-18

NEUTRON IRRADIATION AND COLD WORK EFFECTS ON ZIRCALOY-2 CORROSION AND HYDROGEN PICKUP
HW-76636 N63-18267 17-18

METALLURGY RESEARCH - CHEMICAL AND PHYSICAL METALLURGY, REACTOR METAL RESEARCH AND MATERIAL ENGINEERING
HW-77052 N63-18684 17-18

HIGH LEVEL DOSIMETER WITH METER INDICATION AND AURAL SIGNALING - GAMMA RADIATION
HW-77517 N63-18733 17-15

URANIUM DIOXIDE FUEL ROD FABRICATION BY VIBRATIONAL COMPACTION AND PRESSURE BONDING
BMI-1637 N63-18838 18-17

SHIELDING REQUIREMENTS FOR PROMETHIUM SOURCES - RADIATION CONTRIBUTIONS AFTER REACTOR DISCHARGE
HW-77375 N63-18908 18-23

COLD WORK AND NEUTRON IRRADIATION EFFECTS ON TENSILITY, PLASTICITY, AND FRACTURE MECHANISMS OF ZIRCALOY-2
HW-74955 N63-19216 18-18

WIRE WRAPPING EFFECT ON PRESSURE DROP FOR AXIAL TURBULENT FLOW THROUGH ROD BUNDLE ASSEMBLIES
HW-65173-REV N63-19361 18-11

RECOVERY OF RADIOCESIUM BY SOLVENT EXTRACTION USING DIPICRYLAMINE - RADIOCHEMISTRY
HW-76222 N63-19501 19-07

PHYSICS RESEARCH - THEORETICAL REACTOR, EXPERIMENTAL NUCLEAR & CRITICAL MASS PHYSICS

HW-77311 N63-19506 19-23

DATA FITTING AND LINEAR FUNCTIONAL EVALUATION COMPUTER CODE FOR IBM 7090
HW-76692 N63-19614 19-20

HANFORD BIOLOGY RESEARCH ANNUAL REPORT FOR 1962 - TOXICITY AND METABOLISM OF RADIOACTIVE ELEMENTS, ANIMAL AND PLANT PHYSIOLOGY, ECOLOGY
HW-76000 N63-19706 19-16

FLUX DISTRIBUTION FOR HYDROGEN AND WATER KERNALS - EPI-THERMAL TO THERMAL FLUX RATIOS AND NEUTRON TEMPERATURES FROM ABSORPTION CROSS SECTIONS
HW-75278 N63-19771 19-23

RADIATION EFFECTS ON ALUMINUM FILMING AND CORROSION
HW-76642 N63-21175 21-18

TEMPERATURE DISTRIBUTION IN CYLINDRICAL FUEL ELEMENTS COOLED INTERNALLY
HW-77681 N63-21319 21-13

YIELDING BEHAVIOR OF NEUTRON IRRADIATED NICKEL
HW-78178 N63-21467 22-18

SURFACE TENSION MEASUREMENTS - URANIUM AND COPPER
HW-78132 N63-21468 22-18

ROLE OF OXIDATION RATE IN HYDRIDING OF ZIRCONIUM ALLOYS IN GAS ATMOSPHERES CONTAINING HYDROGEN
HW-76562, REV. N63-22026 22-18

CERAMICS AND CERMETS FOR NUCLEAR REACTOR FUELS
HW-76301 N63-22072 22-19

METALLURGY - PHYSICS & CHEMISTRY OF REACTOR MATERIALS
HW-77954 N63-22073 22-18

MICROHARDNESS OF URANIUM DIOXIDE
HW-77799 N63-22402 23-19

GAMMA IRRADIATION EFFECTS ON IN-REACTOR MONITORING EQUIPMENT
HW-76263 N63-22403 23-23

AUTOMATIC PROCESSING OF TENSILE TEST DATA - FORTRAN COMPUTER PROGRAM
HW-71570 N63-22423 23-18

WELDING AND TESTING PROGRAM OF SUPERALLOYS & STAINLESS STEELS FOR DESIGN & CONSTRUCTION OF HIGH TEMPERATURE GAS LOOP
HW-78574 N63-22424 23-18

AUTOMATIC LAUNDRY MONITORING SYSTEM FOR DETECTION OF ALPHA AND BETA CONTAMINATION IN LABORATORY CLOTHING
HW-76351, REV. N63-22655 23-16

REACTOR RESEARCH AND DEVELOPMENT
HW-78118 N63-22656 23-23

NEUTRON AND GAMMA RADIATION SHIELDING CALCULATIONS
HW-78274 N63-22657 23-23

LIQUID EFFLUENT MONITOR FOR GAMMA-EMITTING RADIONUCLIDES - SCINTILLATION DETECTOR AND ALARM
HW-78193 N63-22824 23-23

DENSITY OF URANIUM DIOXIDE AT GIVEN HEAT & CHANGE IN VOLUME ON MELTING MEASURED BY HIGH TEMPERATURE RADIOGRAPHY
HW-75148 N63-22964 23-19

REACTOR PHYSICS - INTERACTING FISSILE CYLINDERS, LATTICE PARAMETERS AT HIGH TEMPERATURES, AND CRITICAL MASS MEASUREMENTS
HW-77871 N63-22991 23-23

HANUSCH HOSPITAL, VIENNA /AUSTRIA/.
IONIZING RAYS ON BONE MARROW - RADIATION EFFECT
N63-18962 18-16

HARRY DIAMOND LABS., WASHINGTON, D.C.
STABLE, TRANSISTORIZED LOW VOLTAGE REGULATOR
DOFL-R940-62-2 N63-11675 04-09

LA GRANGE EQUATIONS BY ANALOG COMPUTATION - COMPUTER METHODS AND MOTION EQUATIONS
TR-1088 N63-11945 04-20

GAIN ANALYSIS OF PROPORTIONAL FLUID AMPLIFIER
TR-1073 N63-12764 06-11

FLUID AMPLIFICATION SYMPOSIUM - BISTABLE ELEMENT, TWO-DIMENSIONAL JETS, FLOW VISUALIZATION, PROPORTIONAL CONTROL, ROCKET THRUST VECTORING
N63-13380 08-11

FLUID AMPLIFIER - WALL EFFECTS AND BISTABLE ELEMENTS N63-13381 08-11

PROPORTIONAL FLUID CONTROL - FLUID AMPLIFICATION - FLOW CONTROLLERS N63-13382 08-11

FLUID AMPLIFIER DEMONSTRATION VEHICLE
N63-13383 08-27

HYDRAULIC ANALOGY - FLUID AMPLIFICATION
N63-13384 08-11

PULSE DURATION MODULATION - LIQUID AMPLIFICATION, GUIDED MISSILES N63-13385 08-11

THREE-STAGE DIGITAL AMPLIFIER - FLUID AMPLIFIER, DIGITAL PNEUMATIC ELEMENTS, CASCADE
N63-13386 08-11

ROCKET THRUST VECTORING - FLUID AMPLIFIER
N63-13387 08-11

FLUID AMPLIFIER ARTIFICIAL HEART PUMP
N63-13388 08-11

FLOW VISUALIZATION - FLUID AMPLIFICATION, BISTABLE ELEMENT, SCHLIEREN PHOTOGRAPHY
N63-13390 08-11

FLUID AMPLIFICATION - JET ATTACHMENT DISTANCE AS A FUNCTION OF ADJACENT WALL OFFSET AND ANGLE
TR-1087 N63-13624 08-11

MICROWAVE PHASE COMPARATOR FOR MEASURING PHASE BETWEEN TWO SIGNALS OF SAME FREQUENCY
N63-13709 08-08

POWER SPECTRUM EXPRESSION FOR LINEAR MIXER OUTPUT FOR CASES OF ONE OR BOTH CONCERNED SIGNALS BEING FREQUENCY-MODULATED BY GAUSSIAN NOISE
TR-1093 N63-14096 09-08

SILICON PLANAR DIODES AS UNIFORM NOISE GENERATORS WHEN OPERATED IN THE AVALANCHE REGION
TR-1099 N63-14284 10-09

RESONANT FREQUENCY EQUATION FOR RIGHT CIRCULAR CYLINDERS OF ANY DIMENSION - MICROMINIATURE CERAMIC PIEZOELECTRIC FILTER & TRANSFORMER DESIGN
TR-1108 N63-14559 10-09

EPOXY RESIN CASTING IN FLUID AMPLIFICATION - AMPLIFIER DESIGN
TR-1102 N63-14778 11-11

FLUID AMPLIFICATION - PNEUMATIC CONTROL OF GATE, FLIP-FLOP, OSCILLATOR, CLOCK, AND HALF ADDER
TR-1114 N63-14779 11-11

MATHEMATICAL ANALYSIS OF NUCLEAR RADIATION, NEUTRON DAMAGE TO TRANSISTORS
TR-975, SUP. 1 N63-15513 12-09

HYDRAULIC ANALOGY APPLIED TO COMPRESSIBLE GAS FLOW IN FLUID INTERACTION DEVICES - FLUID AMPLIFICATION
TR-1098 N63-16549 14-11

MICROMINIATURE AMPLIFIER WITH THIN FILM PASSIVE COMPONENTS
TR-1119 N63-17079 15-09

TORQUE REGULATOR FOR TIMING MOVEMENTS
TR-1130 N63-17910 16-17

FERROMAGNETIC RESONANCE AND RELAXATION IN YTTRIUM IRON GARNET
HDL-TR-1143 N63-18883 18-25

PROGRAMMING AN ANALOG COMPUTER FOR LARGE CLASS OF TRAJECTORIES - NEGATIVE GRADIENT METHOD
HDL-TR-1146 N63-19120 18-20

VOLTAGE REGULATOR DIODE TESTING SYSTEM - MEASURING VOLTAGE BREAKDOWN, ENERGY TRANSFER, AND TRANSFER TIME
TR-1145 N63-20022 19-09

BROADBAND COAXIAL-TO-RIDGE WAVEGUIDE TRANSITIONS
TR-1157 N63-20792 21-09

SMALL SIGNAL PROPERTIES OF MINIATURE MICROWAVE DIODES FOR USE IN ELECTRONIC EQUIPMENT
HDL-TR-1140 N63-20833 21-09

COMPONENT AND PROCESS SPECIFICATION FOR PYROTECHNIC DELAY MIXTURE BASED ON TUNGSTEN
SC-4792/RR/ N63-21655 22-18

THREE-STAGE DIGITAL FLUID AMPLIFIER OPERATING AT BOUNDARY LAYER
TR-1106 N63-22095 22-11

PYROTECHNIC DELAY COMPOSITIONS OF EXPLOSIVE POWDERS
SC-4790/RR/ N63-22180 23-26

TUNNELING, THERMIONIC EMISSION, & DIELECTRIC CONSTANT OF STRUCTURE CONTAINING TWO METAL SURFACES SEPARATED BY THIN FILM INSULATION
TR-1162 N63-22350 23-09

THIN FILM ACTIVE DEVICES - HOT ELECTRON COLLECTORS, METAL EDGE AMPLIFIER TRIODES, AND ALUMINUM OXIDE FILMS
J046-4 N63-22976 23-25

FLUID AMPLIFICATION - STAGING OF PROPORTIONAL AND BISTABLE AMPLIFIERS
TR-1165 N63-23143 24-11

STAGNATION POINT LANGMUIR PROBE IN SHOCK TUBE
N63-23784 24-11

HARSHAW CHEMICAL CO., CLEVELAND, OHIO.
SOLAR CELLS WITH THIN FILM CADMIUM SULFIDE
ARS PAPER-2566-62 N63-10272 01-06

SOLAR ENERGY CONVERSION USING CADMIUM SULFIDE
ASD-TDR-62-69 N63-10707 02-06

IMPROVEMENT OF SOLAR ENERGY CONVERSION IN CADMIUM SULFIDE THIN FILM PHOTOVOLTAIC CELLS
N63-20941 21-25

NITROGEN TRIFLUORIDE REACTIONS WITH DILUTE SODIUM HYDROXIDE - NITROUS OXIDE PRODUCED FROM MONEL CORROSION PRODUCTS
HQ-76-2 N63-20945 21-07

NONEQUILIBRIUM SURFACE POTENTIAL CALCULATIONS FOR SEMICONDUCTORS N63-21293 21-09

CADMIUM SULFIDE THIN FILM PHOTOVOLTAIC CELLS
NASA-CR-51210 N63-21364 22-06

HARVARD COLL. OBSERVATORY, CAMBRIDGE, MASS.
NOISE STORMS, SOLAR FLARES, AND TYPE V BURSTS
AFCRL-62-1066 N63-12120 05-28

SIZE AND POSITION OF SOLAR PROMINENCES AND THEIR CLASSIFICATION BY MENZEL-EVANS SCHEME
AFCRL-62-1062 N63-12122 05-28

Z-MODE SPACE RADIO PROGRAM
AFCRL-62-1059 N63-12146 05-05

TEMPERATURE EFFECTS IN PHOTOMULTIPLIERS AND ASTRONOMICAL PHOTOMETRY N63-13042 07-05

MICROWAVE OBSERVATIONS OF VENUS UTILIZING TWO-CHANNEL RADIO TELESCOPE MOUNTED ON MARINER II SPACECRAFT N63-13845 09-29

CLASSIFICATION OF SOLAR PROMINENCES FOR SUNSPOT CYCLE NO. 19
AFCRL-63-200 N63-14317 10-05

POSITION, AREA, AND BEHAVIOR CLASSIFICATION OF SOLAR PROMINENCES FOR SUNSPOT CYCLE NO. 19
AFCRL-63-205 N63-14551 10-28

INSTRUMENTATION FOR OBSERVATIONS OF PLANETS IN FAR INFRARED - FERROELECTRIC BOLOMETERS AND RADIATION PYROMETERS N63-16245 13-05

PLANETARY PHOTOGRAPHY - MULTICOLOR PHOTOMETRY OF THE MOON, MARS, VENUS, AND OTHER PLANETS
N63-16246 13-05

METEOR TRAILS - IONIZATION AND RADIO ECHO OBSERVATION N63-16630 14-05

RADAR SYSTEM - RADIO ECHO OBSERVATION OF METEORS
N63-16634 14-05

METEOROID SURFACE EROSION BY COSMIC RADIATION
N63-16655 14-29

METEOR STATISTICS - ORBITAL ELEMENTS
N63-16659 14-05

EFFECT OF PLANETARY PERTURBATIONS ON DYNAMIC EVOLUTION OF METEORS - STUDY OF PERSEID AND ORIONID STREAMS N63-16663 14-29

MARS ATMOSPHERE
NASA-CR-50016 N63-17152 15-29

CLASSIFICATION OF SOLAR PROMINENCES FOR SUNSPOT CYCLE NUMBER 19 OBSERVED DURING 1958
AFCRL-63-458 N63-18278 17-05

SCANNING SPECTROMETER WITH RANGE FROM 500 TO 1500 ANGSTROMS FOR ORBITING SOLAR OBSERVATORY
N63-18354 17-15

MAGNETOHYDRODYNAMICS AND ITS ASTROPHYSICAL APPLICATIONS
AFCRL-63-674 N63-20578 20-24

FLASH TUBE SHOCK TUBE COMBINATION SPECTROSCOPY IN ULTRAVIOLET AND VACUUM ULTRAVIOLET WAVELENGTH REGIONS N63-20653 20-23

SOLAR PROMINENCES FOR SUNSPOT CYCLE NO. 19 - 1959 CLASSIFICATION OF SOLAR ACTIVITY
AFCRL-63-686 N63-20660 20-28

TEMPERATURE DISTRIBUTION IN STELLAR ATMOSPHERE - ITERATIVE PERTURBATION METHOD OF ANALYSIS
AFCRL-63-829 N63-20834 21-29

REFRACTORY TELESCOPES FOR PLANETARY OBSERVATIONS - ASTRONOMY N63-21121 21-05

ELECTRICAL CHARACTERISTICS OF ATMOSPHERE AND SURFACE OF VENUS FROM RADAR OBSERVATION
JPL-TR-32-423 N63-21480 22-29

METEOR VELOCITY MEASUREMENTS BY USE OF MULTISTATION RADAR SYSTEM
NASA-CR-51346 N63-21646 22-29

INTERPRETATION OF SOLAR RADIATION OBSERVATIONS USING PHYSICAL THEORY & SOLAR STRUCTURE AND ACTIVITY N63-23450 24-29

HARVARD COLL. OBSERVATORY, FORT DAVIS, TEX.
SPECTRAL OBSERVATIONS OF SOLAR RADIO BURSTS - CONTINUUM BURSTS
AFCRL-62-1117 N63-12121 05-28

HARVARD U., BOSTON, MASS.
STEERING WHEEL IMPACT - AUTOMOBILE ACCIDENTS
N63-12859 07-16

PATH OF BODY TRAVEL - IMPACT STUDIES, BIODYNAMICS, HUMAN TOLERANCE, AUTOMOBILE ACCIDENTS
N63-12872 07-16

CIRCULATION IN MAMMALIAN HIBERNATION
AAL-TDR-62-6 N63-17701 16-16

PHARMACOLOGICAL EFFECT OF INFUSED DRUGS ON AUTONOMIC CONTROL OF CIRCULATION DURING HIBERNATION OF GROUND SQUIRRELS - ANIMAL STUDY

AAL-TDR-62-39 N63-18677 17-16

HARVARD U., CAMBRIDGE, MASS.
AXISYMMETRIC DYNAMIC BUCKLING OF CLAMPED SHALLOW SPHERICAL SHELLS N63-10851 02-33

FRESNEL GAIN OF APERTURE ANTENNA - ILLUMINATIONS
AFCRL-62-595 N63-11457 03-08

EFFECT OF PRESSURE ON ENERGY LEVELS OF IMPURITIES IN SEMICONDUCTORS - SILICON & GERMANIUM
N63-13346 08-25

EFFECT OF PRESSURE ON ARSENIC, INDIUM, & ALUMINUM IN SILICON N63-13347 08-25

EFFECT OF PRESSURE ON GOLD IN SILICON
N63-13348 08-25

EFFECT OF PRESSURE ON GOLD IN GERMANIUM
N63-13349 08-25

NEWTONIAN SLENDER-BODY THEORY OF FLOW AROUND MINIMUM DRAG SHAPES N63-13834 09-20

TIME-INDEPENDENT PERTURBATION THEORY BY GAUGE TRANSFORMATIONS N63-14358 10-20

FERMI-CONTACT CONTRIBUTION TO THE PROTON-DEUTERON COUPLING CONSTANT IN THE HYDROGEN-DEUTERIUM MOLECULE N63-14519 10-23

MEASUREMENT OF SECONDARY SPECTRA FROM HIGH-ENERGY NUCLEAR REACTIONS N63-15139 11-23

OPTIMAL PROGRAMMING OF MULTIVARIABLE CONTROL SYSTEMS IN PRESENCE OF NOISE N63-15639 12-20

OPTIMAL CONTROL OF LINEAR AND NONLINEAR DYNAMIC SYSTEMS N63-15640 12-20

PLASMA WAVE EXCITATION BY LINE CURRENT MAGNETIC INDUCTION - RADIO COMMUNICATION WITH MISSILES AND SPACE VEHICLES
AD-283830 N63-16914 14-24

MICROWAVE SPECTRA, STRUCTURE AND DIPOLE MOMENT OF DIFLUORODIAZINE HAVING CIS MOLECULAR STRUCTURE
N63-17475 15-07

AXISYMMETRIC DEFORMATION IN THIN SPHERICAL SHELLS
N63-17663 16-33

RELATIVE INTENSITY MEASUREMENTS IN MICROWAVE SPECTROSCOPY N63-17691 16-07

TIME DEPENDENT LOAD IMPEDANCE
TR-364 N63-17713 16-08

SYNTHESIS, MICROWAVE AND MASS SPECTRA, AND MOLECULAR STRUCTURE OF SULFUR MONOFLUORIDE
N63-17725 16-07

ANALYSIS OF STRUCTURES WITH RANDOM GEOMETRY
N63-17763 16-20

DIRECTIONAL CHARACTERISTICS AND INPUT IMPEDANCE OF TWO-ELEMENT YAGI ANTENNA IN PARALLEL PLATE REGION - THEORY AND EXPERIMENT
AFCRL-63-107 N63-18005 16-08

WAVE PROPAGATION ALONG INFINITE YAGI ANTENNA IN PARALLEL PLATE REGION
AFCRL-63-108 N63-18006 16-09

CURRENT DISTRIBUTION AND IMPEDANCE OF ANTENNA IN PARALLEL PLATE REGION
AFCRL-63-90 N63-18007 16-08

CURRENT DISTRIBUTION AND IMPEDANCE CHARACTERISTICS OF COUPLED ANTENNAS IN PARALLEL PLATE REGION - THEORY AND EXPERIMENT
AFCRL-63-106 N63-18008 16-08

LINEAR PYROLYSIS EXPERIMENTS - FLUID MECHANICS - EQUATIONS FOR PYROLYSIS RATE DETERMINATIONS - SOLID PROPELLANT COMBUSTION N63-18535 17-26

SOCIOLOGY AND THE SPACE PROGRAM
NASA-CR-50437 N63-18864 18-01

HIGH TEMPERATURE THERMODYNAMIC PROPERTIES OF LITHIUM OXIDE BY ELECTRIC DEFLECTION - POLARITY STUDY BY MASS SPECTROMETER
AROD-006-9 N63-19215 18-07

DIPOLE ANTENNA BEHAVIOR NEAR INTERFACE BETWEEN CONDUCTING MEDIUM AND FREE SPACE
AFCRL-63-455 N63-19930 19-08

ATOMIC AND ELECTRONIC COLLISION PROCESSES IN UPPER ATMOSPHERIC REACTIONS
AFCRL-63-612 N63-20621 20-12

ATOMIC AND ELECTRONIC COLLISION RELEVANT TO UPPER ATMOSPHERE
AFCRL-63-656 N63-20622 20-12

MAGNETIC PROPERTIES OF PIEZOELECTRIC GALLIUM-IRON OXIDE - TEMPERATURE EFFECTS, & EFFECT OF ALUMINUM OXIDE ADDITIONS
AFCRL-63-303 N63-21421 22-19

METEOR TRAIL MEASUREMENTS - HEIGHT, DECELERATION, NOMINAL DENSITY, MAGNITUDE, FRAGMENTATION, & MASS
NASA-CR-51366 N63-21432 22-12

INFLUX OF OBJECTS INTO EARTH ATMOSPHERE - METEOR POPULATION
NASA-CR-51365 N63-21433 22-05

HIGH PRESSURE & TEMPERATURE REACTIONS - STABILITY AND PHASE RELATIONS IN ONE-COMPONENT SYSTEMS
AFCRL-63-354 N63-22654 23-11

INTERNAL AND CONVENTIONAL WAVES GENERATED BY HORIZONTALLY MOVING OBJECT IN VERTICAL GRADIENT DENSITY FIELD N63-22973 23-11

HAWAII INST. OF GEOPHYSICS, HONOLULU.
METEOROLOGY OF TROPICAL PACIFIC VIEWED FROM ENIWETOK ATOLL WEATHER STATION
HAWAII INST. GEOPHYS. REPT.-27
N63-15178 11-21

HAWAII SOLAR FLARE PATROL
AFCRL-63-470 N63-19780 19-28

TIROS SATELLITE PHOTOGRAPHIC TRACKING OF PACIFIC OCEAN TROPICAL CYCLONES
AFCRL-63-493 N63-19839 19-21

TYPHOON AND TERMINAL FORECASTING METHODS FOR THE TROPICS
HAWAII INST. GEOPHYS. REPT.-37
N63-21019 21-22

EARTH SURFACE ALBEDO, SOIL-ATMOSPHERE BOUNDARY LAYER & INTERFACE CHARACTERISTICS
AFCRL-63-813 N63-21708 22-11

HAWKER SIDDELEY AVIATION LTD., LONDON /GT. BRIT./
SPACE SCIENCE - PROBLEM AREAS OF COMMUNICATIONS IN SPACE N63-17051 15-08

SPACE SCIENCE - PROBLEM AREAS FACING COMMUNICATION SATELLITES N63-17052 15-32

HAYES INTERNATIONAL CORP., BIRMINGHAM, ALA.
EVALUATION OF REINFORCED PLASTICS FOR PRIMARY STRUCTURE OF ARMY AIRCRAFT
TRECOM-TR-63-15 N63-13799 09-34

SPACECRAFT GUIDANCE - LOW THRUST PROPULSION TRAJECTORIES - ORBITAL MECHANICS
N63-16805 14-29

HAZELTINE TECHNICAL DEVELOPMENT CENTER, INC., INDIANAPOLIS, IND.
SMALL LIGHTWEIGHT ALTITUDE MEASURING EQUIPMENT FOR AIRCRAFT N63-16367 14-08

AIRCRAFT RADIAL GROUND SPEED INDICATOR DESIGN
N63-19936 19-15

OPERATION OF GENERAL AVIATION TRANSPONDER /GAT/ - ELECTRONIC DESIGN, DEVELOPMENT AND OPERATION
N63-20019 19-08

EQUIPMENT FOR CONVERTING RADAR SCAN DATA TO TV DISPLAY FOR AIR TRAFFIC CONTROL
N63-20737 21-08

EBREW U., JERUSALEM /ISRAEL/.
NUMBER THEORY - THEOREM PROOFS BY MACHINE
N63-11701 04-20

GROUND STATE SPLITTING AND OPTICAL SPECTRA OF MANGANESE ION AND FERRIC ION IN CUBIC CRYSTALLINE FIELD WITH SPIN ORBIT COUPLING
AFCRL-63-227 N63-13683 08-23

ERCULES POWDER CO., BACCHUS, UTAH.
FLIGHT DATA HANDLING AND ANALYSIS PLAN FOR WEAPON SYSTEM 133A ROCKET MOTOR M57 MINUTEMAN STAGE III
MTO-198-44 N63-22147 22-04

ERCULES POWDER CO., CUMBERLAND, MD.
MAGNETIC MEASURING SYSTEM
ABL/B-22 N63-11048 03-15

MINIMIZING SOLID PROPELLANT INITIATION HAZARDS DURING FABRICATING PROCESSES
ABL/Z-48 N63-12255 05-17

SOLID PROPELLANT X248 ROCKET ENGINE - HANDLING AND OPERATING INSTRUCTIONS
ABL/M-195/REV./ N63-14007 09-27

EFFECT OF STORAGE ON COMBUSTION STABILITY AND ACOUSTICS OF SOLID PROPELLANTS - COMBUSTION INSTABILITY N63-15582 12-26

HETRAN COMPUTER PROGRAM FOR CALCULATING THE TEMPERATURE IN ROCKET NOZZLE STRUCTURE - TRANSIENT HEAT TRANSFER
ABL/X-98 N63-19626 19-13

IGNITION SYSTEM FOR TERRIER MISSILE SOLID PROPELLANT ROCKET ENGINE
ABL/X-87 N63-19715 19-27

X259 ROCKET ENGINE - HANDLING, INSTALLATION, AND OPERATING INSTRUCTIONS
ABL/M-118 N63-21920 22-27

PHOTOSTRESS TECHNIQUE IN STRAIN DISTRIBUTION STUDY OF POLARIS A3 SECOND-STAGE AFT DOME
ABL/X-86 N63-23152 24-20

EFFECT OF PENETRANTS ON GRAPHITE NOZZLE THROATS UNDER ROCKET MOTOR FIRING CONDITIONS
ABL/X-105 N63-23743 24-19

ERCULES POWDER CO., WILMINGTON, DEL.
ELECTRONIC STRUCTURE OF NITROGEN DIFLORIDE GROUP
N63-17603 16-07

ELECTRONIC CONFIGURATION AND BEHAVIOR OF NITROGEN DIFLUORIDE GROUP - ELECTROCHEMISTRY, COMPLEX FORMATION AND MAGNETIC RESONANCE
N63-22084 22-09

-ALTITUDE INSTRUMENT CO., INC., GOLDEN, COLO.
PHOTOMETERS IN TANDEM BALLOON FLIGHTS TO MEASURE SOLAR AND NEAR-SUN LUMINOSITY AS FUNCTIONS OF ALTITUDE - GRAPHS AND TABLES
AFCRL-63-617 N63-18726 17-12

GH ALTITUDE OBSERVATORY, BOULDER, COLO.
THE STRATOSPHERIC SOLAR CORONA
N63-10196 01-05

SOLAR PHYSICS - PHOTOSPHERE, CHROMOSPHERE, SOLAR CORONA, SOLAR FLARES
IAS PAPER-63-1 N63-12879 07-05

RADIO EMISSIONS AND MAGNETIC FIELD STRENGTH OF JUPITER
AFCRL-62-721 N63-13740 08-29

SOURCE OF SOLAR FLARES - SOLAR ATMOSPHERE OR PHOTOSPHERE N63-14558 10-28

EMISSION IN PSEUDO-RESONANCE LINE OF NEUTRAL HELIUM IN SOLAR ATMOSPHERE - INFRARED TRIPLET LINE
N63-14669 10-05

POLARIMETRIC OBSERVATION OF POLARIZATION OF ZODIACAL LIGHT N63-14901 11-05

LIGHT SCATTERING BY AEROSOLS IN UPPER ATMOSPHERE
N63-16602 14-12

SOLAR FLARES AND PROMINENCES - EXCITATION CONDITIONS N63-17903 16-05

LIFE IN UNIVERSE AND DEPENDENCE ON ENERGY FROM THERMONUCLEAR REACTIONS OF STARS
N63-18920 18-16

ENHANCEMENT OF EQUATORIAL ELECTROJET DURING POLAR MAGNETIC SUBSTORMS - AURORAL ELECTROJET EFFECT
N63-20273 20-12

SPECTRAL ANALYSIS OF SOLAR RADIO BURSTS IN DECAMETER RANGE
NASA-CR-51033 N63-21254 21-28

HIGH TEMPERATURE MATERIALS, INC., BOSTON, MASS.
PYROLYTIC GRAPHITE WHISKERS N63-11293 03-19

NEW AND IMPROVED THERMALLY PROTECTIVE FIBER REINFORCED COMPOSITE MATERIALS
N63-14518 10-19

HILLER AIRCRAFT CORP., PALO ALTO, CALIF.
DYNAMIC LOAD EFFECTS ON LIFETIME OF HELICOPTER ROTOR & PASSENGER-CREW COMPARTMENTS
N63-20354 20-04

GROUND EFFECT MACHINE JACK FOR CARGO HANDLING USING AIR-BEARING PRINCIPLES FOR OPERATION
TRECOM-TR-63-53 N63-22376 23-04

COANDA EFFECT - VENTILATED CLINGING FLOW PHENOMENA AS RESULT OF JET SHEET FOLLOWING CURVED SURFACE
TRECOM-TR-63-38 N63-22915 23-11

HOFFMAN ELECTRONICS CORP., EL MONTE, CALIF.
DESIGN STUDY OF SOLAR ENERGY MEASUREMENT TECHNIQUES
ASD-TN-61-156 N63-12751 06-15

SOLAR CELL POWER SUPPLY IN SPACE - OUTPUT MEASUREMENTS & POWER EFFICIENCY
ASD-TDR-62-882 N63-16269 13-15

HOKKAIDO U., SAPPORO /JAPAN/.
ARCTIC OCEAN HYDROGRAPHY - BEAUFORT SEA - AIRCRAFT AID IN OCEANOGRAPHY N63-14764 11-21

NETWORK SYNTHESIS WITH MULTIWIRE LINES
N63-17612 16-08

HOLMES AND NARVER INC., LOS ANGELES, CALIF.
EARTHQUAKES AND CONSTRUCTION OF NUCLEAR REACTORS
TID-7024 N63-23176 24-12

HONEYWELL RESEARCH CENTER, HOPKINS, MINN.
OPTICAL AND ELECTRICAL PROPERTIES OF SINGLE CRYSTAL TELLURIUM - EFFECT OF LATTICE DISLOCATIONS AND DOPING - ENERGY BAND STRUCTURE
AFOSR-2648 N63-16068 13-25

TENSILE STRENGTH OF MAGNESIUM OXIDE
N63-18080 16-19

POLYCRYSTALLINE MAGNESIUM OXIDE - DISLOCATIONS AND TENSILE STRENGTH
HR-63-252 N63-18083 16-19

DIFFUSION EXPERIMENT TO DETERMINE CERTAIN CROSS SECTIONS FOR COLLISIONS BETWEEN ELECTRONS AND GASES
AROD-3331-2 N63-18900 18-24

COLD WORK AND DUCTILE-BRITTLE TRANSITION OF SILVER CHLORIDE
HR-63-266 N63-19926 19-19

HOOVER CO., BALTIMORE, MD.
LOW VOLTAGE DC TO DC CONVERSION
N63-14171 09-06

HORIZONS INCORPORATED, CLEVELAND, OHIO.
REINFORCEMENT OF METALS WITH ULTRAHIGH STRENGTH

FIBERS N63-10692 02-17

REINFORCEMENT OF NICKEL-CHROMIUM ALLOYS WITH ALUMINA DISKS N63-13535 08-18

OXIDATION REINFORCEMENT OF IRON-NICKEL-CHROMIUM ALLOYS WITH ALUMINA WHISKERS N63-15191 11-18

ALUMINUM OXIDE FIBERS AS REINFORCEMENT FOR IRON NICHROME ALLOYS AND STAINLESS STEEL N63-16191 13-17

REINFORCEMENT OF NICKEL-CHROMIUM ALLOYS WITH SAPPHIRE WHISKERS N63-20684 20-18

ALUMINUM OXIDE WHISKER REINFORCED REFRACTORY METALS - EFFECT OF OXIDE BOND & WETTING N63-23517 24-18

HOUDRY PROCESS AND CHEMICAL CO., LINWOOD, PA.

PHYSICAL PROPERTIES OF CERAMIC POWDER RELATED TO SINTERABILITY
ASD-TDR-62-843 N63-16048 13-19

HOUSTON U., TEX.

EFFECT OF TEMPERATURE AND CARRIER GAS ON LOSS RATE OF TRITIUM FROM RADIOACTIVE FOILS N63-15273 12-23

SYNTHESIS OF ORGANIC COMPOUNDS BY ELECTRIC DISCHARGE
NASA-CR-50300 N63-17123 15-07

ULTRAVIOLET-ABSORBING COMPOUNDS REPORTED PRESENT IN MURRAY METEORITE
NASA-CR-50299 N63-17157 15-12

ORGANIC COSMOCHEMISTRY - FORMATION OF BIOCHEMICAL COMPOUNDS IN STELLAR ATMOSPHERES N63-19480 19-29

SENSITIVE IONIZATION CROSS-SECTION DETECTOR FOR GAS CHROMATOGRAPHY
NASA-CR-51392 N63-21855 22-23

HOWELL /W.E./ ASSOCIATES, INC., LEXINGTON, MASS.

FUJITA METHOD FOR TIROS SATELLITE PHOTOGRAPH RECTIFICATION
AFCRL-63-670 N63-20626 20-21

HP ASSOCIATES, PALO ALTO, CALIF.

HOT ELECTRON EMITTER
AFCRL-62-772 N63-10507 01-25

HOT ELECTRON EMITTER - SOLID STATE TRIODE AMPLIFIERS
AFCRL-62-957 N63-12783 06-09

GOLD-SILICON METAL-SEMICONDUCTOR TRIODES
AFCRL-63-113 N63-17388 15-25

RESISTIVITY OF THIN GOLD FILMS ON SILICON SUBSTRATES & FABRICATION OF HOT ELECTRON DIODE & TRIODE EMITTERS
AFCRL-63-336 N63-22081 22-09

HRB-SINGER, INC., STATE COLLEGE, PA.

HUMAN FACTORS IN TRAINING AND PROFICIENCY MEASUREMENT - AIR TRAFFIC CONTROL SYSTEMS
ESD-TDR-63-328 N63-19643 19-14

HUMAN FACTORS & DESIGN OF MAINTENANCE FACILITY FOR AN/TSQ-47 MOBILE AIR TRAFFIC CONTROL COMMUNICATION SYSTEM
HRB-SINGER-353-R-2 N63-20365 20-22

BIBLIOGRAPHY ON PARAMETRIC AMPLIFIERS
B-2 N63-22790 23-09

HUGHES AIRCRAFT CO., CULVER CITY, CALIF.

COMPATIBILITY OF MATERIALS AND COMPONENTS WITH HEAT AND ETHYLENE OXIDE-FREON - SURVEYOR SPACECRAFT PROGRAM
RS-277 N63-10078 01-19

WAVE DRAG OF CLIPPED ARROW WINGS WITH MODIFIED DOUBLE-WEDGE SECTION N63-10602 02-03

FABRICATION OF FOAMED POLYURETHANE STRUCTURES IN A SPACE ENVIRONMENT N63-10923 02-19

SYNCOM SATELLITE PROGRAM - WIDEBAND COMMUNICATIONS SPIN STABILIZATION
ARS PAPER-2619-62 N63-11254 03-09

SURVEYOR SPACECRAFT, COMMAND, DATA HANDLING
ARS PAPER-2692-62 N63-11275 03-09

ROCKET LINERS - METALLOSILOXANE COPOLYMERIC ELASTOMERS
ROC/LIN-FINAL N63-12667 06-19

DELAYED ACTION FOAM-IN-PLACE POLYURETHANE AEROSPACE ENVIRONMENT
ASD-TDR-62-416 N63-12710 06-19

REFRACTORY GLASS MELTING FURNACE - CERAMIC FIBERS AND FABRICS N63-13263 07-17

FURNACE FOR MELTING REFRACTORY GLASS, CARDING OF BRITTLE CERAMIC FIBERS, AND REFRACTORY FABRIC TESTER N63-13288 07-17

DEVELOPMENT OF REFRACTORY FABRICS - GLASS MELTING FURNACES, CARDING OF BRITTLE CERAMIC FIBERS N63-13289 07-17

TORQUES AND ATTITUDE SENSING IN SPIN-STABILIZED SYNCHRONOUS SATELLITES N63-13301 07-30

ROCKET LINER PROGRAM - CATALYST FOR CURING STANNO SILOXANE POLYMERS
ROC/LIN-8Q N63-15416 12-07

EXPERIMENTAL NEGATIVE SLOT AMPLIFIER - TUNNEL DIODE AMPLIFIER FOR SLOTTED ANTENNA
AFCRL-62-583 N63-15816 13-09

ROCKET LINER PROGRAM - STANNOSILOXANE POLYMER MATERIAL FOR ROCKET MOTOR CASE INSULATION APPLICATION
ROC/LIN-70 N63-15843 13-07

RESPONSE OF LIGHTLY DAMPED STRUCTURES TO RANDOM PRESSURE FIELD N63-16082 13-33

RADIATION THROUGH CYLINDRICAL PLASMA SHEATHS
AFCRL-62-976 N63-16599 14-24

IMAGING PROPERTIES OF FINITE APERTURE ANTENNAS
AFCRL-62-975 N63-17380 15-08

WAVEGUIDE SWITCHING CIRCUIT IN SLOTTED ANTENNA - X-BAND AND S-BAND
AFCRL-63-138 N63-17487 16-09

CERAMIC FIBERS FOR REINFORCEMENT IN COMPOSITE MATERIALS
NASA-CR-50793 N63-19261 18-19

SILICON SEMICONDUCTOR PHOTON ENERGY ABSORPTION DATA
DS-117 N63-20283 20-25

POLYTETRAFLUOROETHYLENE PLASTICS DATA SHEETS
DS-106 N63-20284 20-19

POLYTRIFLUOROCHLOROETHYLENE PLASTIC INSULATOR - DIELECTRIC, DISSIPATION, LOSS, POWER FACTOR & RESISTIVITY DATA
DS-107 N63-20285 20-19

ELECTRIC PROPERTIES OF ZINC TELLURIDE
DS-108 N63-20286 20-25

SILICON - MEAN FREE PATH DATA
DS-120 N63-20287 20-25

ELECTRIC PROPERTIES OF STEATITE DIELECTRIC INSULATING MATERIAL
DS-122 N63-20288 20-19

SILICON SEMICONDUCTOR MATERIAL - CONDUCTIVITY DATA
DS-126 N63-20289 20-25

ELECTRICAL AND ELECTRONIC PROPERTIES OF SILICONE RUBBER
DS-127 N63-20290 20-19

ALLIUM PHOSPHIDE SEMICONDUCTOR - ELECTRIC AND LECTRONIC PROPERTIES
S-111 N63-20296 20-25

EAD TELLURIDE SEMICONDUCTOR - ELECTRIC AND LECTRONIC PROPERTIES
S-113 N63-20297 20-25

AGNESIUM STANNIDE SEMICONDUCTOR - PHOTON ENERGY BSORPTION, HALL COEFFICIENT, AND OTHER ELECTRIC ROPERTIES
S-114 N63-20298 20-18

LUMINUM ANTIMONIDE SEMICONDUCTOR - ELECTRIC AND LECTRONIC PROPERTIES
S-110 N63-20299 20-25

ILICON SEMICONDUCTOR MATERIAL - DIELECTRIC ONSTANT DATA
S-119 N63-20300 20-25

NDIUM ANTIMONIDE SEMICONDUCTOR - ELECTRIC AND LECTRONIC PROPERTIES
S-121 N63-20304 20-25

AGNESIUM OXIDE INSULATOR - ELECTRIC AND LECTRONIC PROPERTIES
S-125 N63-20306 20-19

ILICON SEMICONDUCTORS - DEBYE TEMPERATURE
S-118 N63-20375 20-25

LECTRIC AND ELECTRONIC PROPERTIES OF INDIUM RSENIDE - DATA SHEETS
S-109 N63-20380 20-25

ALLIUM ANTIMONIDE SEMICONDUCTOR DATA - ELECTRIC ND ELECTRONIC PROPERTIES
S-112 N63-20381 20-25

EAD SELENIDE - ELECTRIC & ELECTRONIC PROPERTIES F SEMICONDUCTOR MATERIALS
S-116 N63-20401 20-25

ALLIUM ARSENIDE - ELECTRIC & ELECTRONIC ROPERTIES OF SEMICONDUCTOR MATERIALS
S-115 N63-20402 20-25

NSULATOR DATA ON BERYLLIUM OXIDE
S-123 N63-20405 20-19

ADMIUM SULFIDE - ELECTRONIC AND ELECTRIC ROPERTIES
S-124 N63-20406 20-25

LECTRICAL AND ELECTRONIC PROPERTIES OF ORDIERITE - TERNARY OXIDE SYSTEM
S-128 N63-20407 20-19

YNCOM SATELLITE PROGRAM - LAUNCH, TRANSFER, AND YNCHRONOUS ORBIT WITH EXPERIMENT OBJECTIVES
IAA PAPER-63-264 N63-20938 21-32

LECTRIC ROCKET TEST OUT OF EARTH SHADOW - THOR-GENA LAUNCH OF SOLAR ELECTRIC TEST SATELLITE SET/ PROGRAM
IAA PAPER-63035 N63-21167 21-06

LECTRONIC PROPERTIES OF CADMIUM TELLURIDE
S-101 N63-21787 22-09

LECTRONIC PROPERTIES OF POLYETHYLENE EREPHTHALATE
S-105 N63-21790 22-09

LECTRONIC PROPERTIES OF INDIUM TELLURIDE
S-103 N63-21792 22-09

LECTRICAL AND ELECTRONIC PROPERTIES OF INDIUM HOSPHIDE
S-102 N63-21794 22-09

AGNESIUM SILICIDE SEMICONDUCTOR ELECTRIC & LECTRONIC PROPERTIES
S-104 N63-21797 22-09

EACTING TWO-PHASE GAS PARTICLE FLOW IN BOUNDARY AYER OF ABLATING HYPERSONIC BODY
SD-3418R N63-22526 23-11

SOLAR ELECTRIC PROPELLED SPACECRAFT CAPABILITIES - ELECTROSTATIC AND ELECTROTHERMAL ENGINES
NASA-CR-51567 N63-22586 23-27

SPACE SIMULATION EFFECTS ON THERMAL CONTROL SURFACES, ELASTOMERS, AND OPTICAL MATERIALS
N63-22694 23-19

ELECTRONIC PROPERTIES OF MATERIALS -- DATA PROCESSING TECHNIQUES N63-22701 23-01

REFRACTORY GLASS FABRICS - TESTING AND PRODUCTION
NASA-CR-51750 N63-23006 24-19

ORGANIC SEALANTS FOR CRYOGENIC TEMPERATURES
NASA-CR-51727 N63-23045 24-07

LAUNCH VEHICLE COST ESTIMATE AND SYSTEM ANALYSIS
N63-23210 24-30

INERTIAL CROSS-COUPLING EFFECTS ON MANUAL CONTROL - HUMAN VERSUS AUTOMATIC CONTROL
N63-23265 24-14

BIBLIOGRAPHY - SOVIET SATELLITE OPERATIONS, 1957-1962
LS-BIB-63-1 N63-23707 24-32

HUGHES AIRCRAFT CO., EL SEGUNDO, CALIF.

FEASIBILITY OF LAUNCH VEHICLE RECOVERY
AIAA PAPER-63-247 N63-18216 17-31

HUGHES AIRCRAFT CO., FULLERTON, CALIF.

ASYMMETRIC BUCKLING OF CLAMPED SHALLOW SPHERICAL SHELLS N63-10841 02-33

STRATO-LAB BALLOON PROGRAM AND ITS CONTRIBUTION TO MANNED SPACE FLIGHT N63-11157 03-04

MICROELECTRONICS - EFFECTS OF NUCLEAR RADIATION ON ELECTRONIC EQUIPMENT N63-17377 15-23

FLUID COOLANTS FOR ELECTRONIC EQUIPMENT
N63-17869 16-13

MOTION PERCEPTION AND ORIENTATION IN GANZFELD VISUAL FIELD N63-19243 18-14

HIGH-ENERGY RADIATION DAMAGE TO SEMICONDUCTORS - ANALYSIS OF FAILURE MECHANISMS
RADC-TDR-63-226 N63-19465 19-25

HUGHES AIRCRAFT CO., LOS ANGELES, CALIF.

BEAM INTERACTION STRUCTURE FOR TRAVELING WAVE TUBES AND AMPLIFIERS
ASD-TR-61-277 N63-15680 12-09

HUGHES RESEARCH LABS., MALIBU, CALIF.

ION PROPULSION - THRUSTOR, ION SOURCES, PROPELLANT CONTROL, POWER CONDITIONING AND PERFORMANCE TESTS
ARS PAPER-2650-62 N63-11264 03-27

CAPABILITIES OF ELECTRIC PROPULSION FOR ATTITUDE CONTROL AND MAINTAINING STATIONARY ORBIT OF SATELLITES
ARS PAPER-2666-62 N63-11270 03-29

SATELLITE COMMUNICATION SYSTEM EMPLOYING FREQUENCIES IN 15 TO 20-GC FREQUENCY RANGE
N63-13072 07-08

SURFACE IONIZATION OF CESIUM ON POROUS TUNGSTEN, RHENIUM, MOLYBDENUM, AND TANTALUM - COMPARISON OF POROUS MATERIAL AND SOLID SURFACE DATA
N63-17658 16-18

THERMALIZATION OF ACCELERATED ELECTRONS IN CESIUM PLASMA - ENERGY CONVERSION N63-18294 17-24

MILITARY SIGNIFICANCE OF TARGET IDENTIFICATION IN AERIAL RECONNAISSANCE - IN-FLIGHT INTERPRETATION BY VISUAL PERCEPTION N63-19251 18-14

OPTIMIZATION OF ION ENGINE CONTROL SYSTEMS FOR SYNCHRONOUS SATELLITES
AIAA PAPER 63-273 N63-21122 21-27

BEAM ELEVATION RELATIONS CALCULATED BY PATH LOSS PREDICTION METHODS BASED ON TROPOSCATTER

COMMUNICATION MEASUREMENTS
NBS-TN-180 N63-21446 22-12

CONSTRUCTION AND FEASIBILITY OF MILLIMETER WAVE TUBE AMPLIFIERS USING ELECTRON GUN
N63-23515 24-09

LASER DEVICES - MATERIALS, MODE, HIGH POWER, RAMAN AND OTHER NONLINEAR OPTICAL EFFECTS
N63-23544 24-25

CHARACTERISTICS OF RUBY LASER MODES IN NOMINALLY PLANE PARALLEL RESONATOR N63-23545 24-25

MEASUREMENT OF RAMAN SCATTERING CROSS SECTIONS FOR CALCULATING STIMULATED RAMAN SCATTERING EFFECTS - RUBY LASER N63-23546 24-25

MULTIPLE ACCESS SATELLITE COMMUNICATION - ORBITAL CONSTRAINTS, MODULATION AND MULTIPLEXING REQUIREMENTS, & CALLING TECHNIQUES
NASA-CR-52200 N63-23651 24-08

POWER AND BANDWIDTH REQUIREMENTS FOR MODULATION SYSTEMS FOR SATELLITE COMMUNICATIONS
NASA-CR-51993 N63-23817 24-08

HUGHES TOOL CO., CULVER CITY, CALIF.
SYNCHRONOUS SATELLITES USED AS COMMUNICATION SATELLITES N63-11151 03-09

OUTBOARD BLADE DUCT CLOSURE VALVE FOR HOT CYCLE ROTOR SYSTEM - CHANGING EFFECTIVE NOZZLE AREA FOR ACCEPTABLE SINGLE-ENGINE OPERATION
TCREC-TR-62-103 N63-19078 18-27

HOT CYCLE PROPULSION SYSTEM RESEARCH AIRCRAFT USING HOT CYCLE PRESSURE JET ROTOR SYSTEM AND TWO T64 GAS GENERATORS
HTC-AD-62-31 N63-19163 18-04

HULL U. /GT. BRIT./
SELF-INHIBITION OF GASEOUS EXPLOSIONS - INHIBITION OF HYDROGEN-OXYGEN EXPLOSIONS BY ALKANES
N63-18518 17-26

HUMAN SCIENCES RESEARCH, INC., ARLINGTON, VA.
IDENTIFICATION OF HUMAN FACTORS RESEARCH REQUIREMENTS FOR VISUAL ATTACHMENTS TO DYNAMIC FLIGHT SIMULATORS
HSR-RR-62/10-MK-X N63-14574 10-14

DOUGLAS C-54 AS RESEARCH VEHICLE TO SIMULATE JET AIRCRAFT
HSR-RR-62/8-MK-X N63-17499 16-04

HUMBLE OIL AND REFINING CO., BAYTOWN, TEX.
MASS SPECTROMETRIC STUDY OF HOMONUCLEAR AND HETERONUCLEAR RARE GAS MOLECULE ION
HUM-1-P N63-13917 09-07

REACTIONS OF GASEOUS IONS - HIGH PRESSURE MASS SPECTROMETRIC STUDY OF METHANE IN SQUID PROJECT
HUM-2-P N63-19305 18-07

ION REACTIONS AT LOW ELECTRON ENERGY - HYDROGEN, DEUTERIUM, AND METHANE - SQUID PROJECT
HUM-3-P N63-20549 20-07

HUMBOLDT U., BERLIN /E. GERMANY/.
ELECTROPHORETIC EXAMINATION OF PARTIALLY DENATURED SERUM PROTEIN N63-18955 18-16

HYDRONAUTICS, INC., LAUREL, MD.
APPARATUS FOR STUDY OF CAVITATION DAMAGE IN LIQUID METALS N63-10998 02-11

PULSATION OF VENTILATED CAVITIES
N63-11883 04-11

SHIPS WITH ZERO AND SMALL WAVE RESISTANCE
N63-20149 20-11

NUMERICAL PROCEDURE FOR GENERATION OF LOW CAVITY DRAG, SUPERCAVITATING AXISYMMETRIC BODIES WITH INFINITE TRAILING CAVITIES
NR-062-265 N63-22337 23-02

HYDRONAUTICS, INC., ROCKVILLE, MD.
ANALYSIS OF THE BULBOUS BOW ON SHIPS
N63-10215 01-11

SHIPS WITH ZERO WAVE RESISTANCE
N63-10216 01-11

LOW DRAG SUPERCAVITATING HYDROFOIL SECTIONS - VENTILATED LIFTING SURFACES N63-16065 13-11

HYLETRONICS CORP., BURLINGTON, MASS.
MICROWAVE STUDIES OF SEMICONDUCTING DIAMONDS - CONDUCTIVITY BY CAVITY PERTURBATION THEORY
AFCRL-63-378 N63-23347 24-0?

HYNES CHEMICAL RESEARCH CORP., DURHAM, N.C.
DIRECT FLUORINATION OF ORGANIC COMPOUNDS
N63-11736 04-07

I

IIT RESEARCH INST., CHICAGO, ILL.
DISPERSION-STRENGTHENING MECHANISMS IN VANADIUM-NIOBIUM BASE ALLOYS
IITRI-B6007-3 N63-19028 18-18

TURBULENT FLOW TRANSITIONS NEAR SOLID AND FLEXIBLE BOUNDARIES
IITRI-1205-4 N63-19087 18-11

CHEMICAL REACTIONS OF OXYGEN FLUORIDES WITH INORGANIC COMPOUNDS
IITRI-3227-4 N63-19207 18-07

BERYLLIUM FIBER STRENGTHENING OF ALUMINUM ALLOYS FOR HIGHER ELASTICITIES AND STRENGTH TO WEIGHT RATIOS
IITRI-B241-7 N63-19502 19-18

DETERMINATION OF SOIL PROPERTIES UNDER LUNAR ENVIRONMENTAL CONDITIONS
NASA-CR-50930 N63-21044 21-2?

OPTICAL INFRARED SPECTRA OF LOW-MOLECULAR-WEIGHT COMPOUNDS BY MATRIX ISOLATION ANALYSIS
IITRI-C6013-1 N63-21168 21-1?

DISPERSION STRENGTHENING TO IMPROVE CREEP AND STRESS RUPTURE PROPERTIES OF VANADIUM & NIOBIUM ALLOYS
IITRI-B6007-4 N63-21478 22-18

LINER FOR EXTRUSION BILLET CONTAINERS - ZIRCONIUM AND ALUMINUM OXIDES AND SUPERALLOY
ASD-TDR-7-945/IV/ N63-21703 22-18

VANADIUM ALLOY - EVALUATION OF FABRICATION, CRACKING, AND MECHANICAL PROPERTIES AT ROOM AND ELEVATED TEMPERATURES
IITRI-B231-9 N63-22057 22-18

HIGH TEMPERATURE OXIDATION RESISTANT PROTECTIVE COATINGS FOR VANADIUM-BASED ALLOYS
IITRI-B6001-5 N63-22058 22-18

REINFORCED METAL COMPOSITES FROM BERYLLIUM FIBERS AND ALUMINUM MATRIX MATERIALS
IITRI-B241-8 N63-22414 23-18

CONTROL OF RADIO & RADAR INTERFERENCE BY JUDICIOUS ASSIGNMENT OF OPERATING FREQUENCIES - OPERATIONS RESEARCH
IIT-RI-5177-FR N63-23131 24-08

STABILITY OF WHITE TEMPERATURE-CONTROL COATING FOR SPACECRAFT UNDER ULTRAVIOLET IRRADIATION IN VACUUM
NASA-CR-52134 N63-23501 24-13

ILLINOIS INST. OF TECH., CHICAGO.
SINGLE BOUNDARY MIGRATION IN DEFORMED CRYSTALS OF ALUMINUM
AROD-2205-4 N63-10450 01-18

YIELD POINT LOAD OF CONICAL SANDWICH SHELL LOADED AT VERTEX AND SIMPLY SUPPORTED
DOMIIT-1-22 N63-14468 10-33

VISCOPLASTIC FLOW OF LONG THICK-WALLED CYLINDER
DOMIIT-1-24 N63-18202 16-33

RIGID PLASTIC SHELL THEORY WITH YIELD STRENGTH AND FLOW THEORY EQUATIONS
DOMIIT-1-23 N63-18253 17-32

PHOTOPLASTICITY EXPERIMENTS - UNLOADING AND RELOADING EFFECTS ON NITROCELLULOSE MODEL
AROD-1283-20 N63-19353 18-33

ANNEALING STAGES IN EXPLOSIVELY DEFORMED COPPER
N63-20367 20-18

INTERACTION BETWEEN SUPERSONIC MAIN FLOW THROUGH DIVERGENT NOZZLE AND SECONDARY FLOW INTRODUCED THROUGH SIDE OPENINGS
ARL-63-102 N63-22195 23-02

REACTOR TECHNOLOGY & RADIOISOTOPE USES - SURVEY OF WORLD LITERATURE
IITRI-1194-13 N63-22619 23-23

ILLINOIS U., CHICAGO.
LOCAL & TOTAL CIRCULATORY ALTERATIONS ACCOMPANYING DECOMPRESSION, BREATHING OF GAS MIXTURES OR BOTH - EFFECT ON RATE OF DENITROGENATION
SAM-TDR-62-113 N63-21860 22-16

ILLINOIS U., URBANA.
METHOD FOR AMPLITUDE-FREQUENCY FILTER TRANSFER FUNCTIONS
R-151 N63-10080 01-09

DISTRIBUTED RC NETWORKS WITH RATIONAL TRANSFER FUNCTIONS
R-153 N63-10081 01-09

DETERMINATION OF IONOSPHERIC ELECTRON DENSITY BY ANALYSIS OF FARADAY ROTATION RECORDS RECEIVED FROM A TRANSMITTING SATELLITE N63-10168 01-12

MICROSCOPIC STUDY OF FRACTURE MODE IN FILAMENT WOUND GLASS-RESIN COMPOSITES
T&AM-234 N63-10503 01-19

ANTENNA TO COVER 220 THROUGH 2400-MC TELEMETRY BAND N63-10527 01-08

METHOD OF ADAPTIVE CONSTRAINED DESCENT
R-154 N63-10550 01-20

PHOTO-CURRENT SUPPRESSOR GAUGE FOR MEASUREMENT OF VERY LOW PRESSURES
R-156 N63-10551 01-15

ANTENNA PROBLEM - RESEARCH N63-10592 02-09

BACKFIRE BIFILAR HELICAL ANTENNA - RADIATION PATTERN N63-10637 02-08

MAPPING BY A CROSS-CORRELATION ANTENNA SYSTEM OF PARTIALLY COHERENT RADIO SOURCES
N63-10684 02-08

MASS UNBALANCE IN A SIMPLIFIED AUTOSPIN SYSTEM - EFFECT ON MISSILE TRAJECTORY
T&AM-206 N63-10716 02-20

CREEP TORSION OF SAE 1020 STEEL BARS
T&AM-208 N63-10717 02-33

CREEP OF CURVED BEAMS LOADED IN PURE BENDING
T&AM-209 N63-10718 02-33

MISSILE MOTION ANALYSIS
T&AM-210 N63-10719 02-20

APPLICATION OF LINEAR HARDENING PLASTICITY THEORY TO CYCLE AND PATH DEPENDENT STRAIN ACCUMULATION
T&AM-212 N63-10720 02-33

CRACK STRESS FIELD PROBLEMS
T&AM-213 N63-10721 02-33

MISSILE LAUNCHERS - FLEXIBLE LAUNCHER RAIL SUPPORTED BY FLEXIBLE UNDERSTRUCTURE
T&AM-214 N63-10722 02-34

BUCKLING AND POSTBUCKLING OF ELASTIC SHELLS
N63-10816 02-33

EFFECT OF COMPRESSIVE PRESTRAIN ON FRACTURE TOUGHNESS OF S.A.E. 4340 STEEL
T&AM-219 N63-10891 02-33

EFFECT OF TEMPERATURE AND STRAIN RATE ON CRACK TOUGHNESS OF MILD STEEL
T&AM-235 N63-10892 02-33

RESPONSE OF A LINEAR TWO DEGREE OF FREEDOM SYSTEM UNDER DUAL EXCITATION, MACHINE VIBRATIONS, DAMPING
T&AM-237 N63-10989 02-23

MAPPING OF PHYSICAL CONSTRAINTS FOR SYSTEM OPTIMIZATION
R-155 N63-11744 04-09

TESTING METHOD TO DETERMINE REALIZABILITY OF SINGLE-CONTACT NETWORKS
R-158 N63-11745 04-09

EFFECTS OF ADSORBED FILMS OF CAMPHOR AND THYMOL ON KINETICS OF THE TITANIUM-IV - TITANIUM-III ELECTRODE REACTION
ARL-62-439 N63-11782 04-07

ZONE-REFINING OF POTASSIUM CHLORIDES
N63-12057 05-19

PROTON PRECESSION MAGNETOMETER - IONOSPHERIC ELECTROMAGNETISM N63-12068 05-15

GYROINTERACTION EXPERIMENTS OF PROCESSES IN IONOSPHERE CARRIED OUT BY ROCKETS
AFCRL-62-1071 N63-12298 05-12

INTERACTION OF PLANE ELASTIC WAVES WITH THIN, HOLLOW, CYLINDRICAL SHELL EMBEDDED IN ELASTIC MEDIUM N63-12460 06-33

INTERACTIONS IN METAL CRYSTALS AND KINETICS OF METAL OXIDATION REACTIONS N63-12578 06-18

PHYSICAL REALIZABILITY OF SIGNAL FLOW GRAPHS
R-157 N63-12934 07-09

METHODS OF VISCOELASTIC ANALYSIS
AAE-62-1 N63-13000 07-33

COMPUTER SYSTEMS THEORY & PROGRAMMING, ELECTRONIC INSTRUMENTATION, SUPERCONDUCTORS & BREAKDOWN
N63-13355 08-01

PROPAGATIONAL PHASE VARIATION MEASUREMENTS AT VERY LOW FREQUENCIES
AFCRL-63-44 N63-13694 08-08

ANTENNA DESIGN TO MINIMIZE BACKWARD WAVE RADIATION
N63-13697 08-08

ANTENNA IMPEDANCE MATCHING BY ACTIVE NETWORKS
N63-13698 08-09

PRESSURE MEASUREMENT IN ULTRA-HIGH VACUUM - EFFECTS OF ADSORPTION, OUTGASSING, STREAMING AND RADIATION
AEDC-TDR-63-49 N63-13796 09-23

AUTOMATIC COMPUTER SYSTEM AS A TEACHING MACHINE
R-160 N63-13814 09-20

DISTRIBUTION OF CONCENTRATION, MASS FLOW AND VELOCITY OF SOLID PARTICLES /MAGNESIUM OXIDE AND GLASS/
ILL-9-P N63-13918 09-07

CONFORMAL MAPPING AND STRESSES IN SOLID PROPELLANT GRAINS USING IBM 7090
T&AM-241 N63-13921 09-20

DISCUSSION OF CRACKING, SEPARATION, STRAIN RATE, TEMPERATURE, FLAW INFLUENCE, AND POSSIBLE RATE THEORY BASIS FOR FRACTURING
T&AM-240 N63-14097 09-33

REALIZABILITY OF FUNDAMENTAL CUT-SET MATRICES OF ORIENTED GRAPHS FOR ELECTRICAL NETWORKS, SWITCHING CIRCUITS AND COMMUNICATIONS NETS
R-143 N63-14554 10-09

AIR TRAFFIC CONTROL SYSTEM - AUTOMATIC CONTROL CENTERS FOR ENROUTE & SATELLITE COMPUTERS
R-145 N63-14555 10-06

PATTERN RECOGNITION COMPUTER USING MAGNETIC LOGIC CIRCUITS
R-141 N63-14802 11-20

METHOD OF CHARACTERISTIC ANALYSIS OF DETONATION WAVE STABILITY - PERTURBATION ANALYSIS
AAE-62-2 N63-14966 11-11

LOW INSERTION LOSS, CAPACITIVELY SCANNED GONIOMETER FOR FARADAY ROTATION IN VERY HIGH FREQUENCY RANGE N63-15189 11-08

FLOW PATTERN WITHIN CONSTANT PRESSURE COMPRESSIBLE TURBULENT JET MIXING REGION
NASA-TN-D-1894 N63-15323 12-11

FRACTURE AND FRACTURE MORPHOLOGY OF GLASS UNDER TENSION, TORSION, AND FLEXURE
T&AM-242 N63-15408 12-19

NONSTATIONARY WHITE NOISE - POISSON DISTRIBUTED IMPULSES OF VARYING STRENGTH
AAE-63-1 N63-15418 12-20

RATIONAL FUNCTION APPROXIMATION OF POLYNOMIALS WITH EQUIRIPPLE ERROR - NETWORKS
R-159 N63-15500 12-20

EJECTION OF ELECTRONS FROM SURFACE OF TUNGSTEN BY LOW ENERGY ION, HELIUM, HYDROGEN, NITROGEN AND OXYGEN
R-161 N63-15745 12-25

WAVE PROPAGATION ON HELICES N63-15789 13-08

THEORY OF LOG PERIODIC ANTENNA, CIRCUITS, AND TRANSMISSION LINES N63-15892 13-09

INFLUENCE OF ELECTRON INTERACTIONS ON SPECIFIC HEAT AND PARAMAGNETIC SPIN SUSCEPTIBILITY OF ALKALI METALS N63-15907 13-25

POLYGONAL SPIRAL BROADBAND ANTENNA STRUCTURES N63-16066 13-08

ENGINEERING RESEARCH SUMMARY - STRUCTURAL, CIVIL, MECHANICAL & ELECTRICAL ENGINEERING AERONAUTICS, METALLURGY, AGRICULTURE AND NUCLEAR PHYSICS
CN-73194 N63-16103 13-01

VACUUM ELECTRICAL BREAKDOWN - ELECTRIC VACUUM GYROSCOPE - COMPUTER PROGRAM - PLASMA PHYSICS N63-16273 13-01

CURRENT DISTRIBUTION OF NEAR FIELD ON CONICAL EQUIANGULAR SPIRAL ANTENNA N63-16316 13-08

THERMOELECTRICITY - IONIZATION OF SOLID PARTICLES AND ELECTRON CLOUD DISTRIBUTION
ILL-10-P N63-16349 14-11

PLAIN AND DEFORMED WIRE FABRIC AS REINFORCEMENTS FOR CONCRETE
T&AM-238 N63-16540 14-17

YIELD BEHAVIOR OF POLYCRYSTALLINE NIOBIUM
T&AM-244 N63-16727 14-18

THERMAL ELECTRIFICATION OF GAS-SOLID SYSTEM - SQUID PROJECT
ILL-11-P N63-16781 14-24

ULTRAHIGH VACUUM EQUIPMENT
R-167 N63-16869 14-23

LOG-PERIODIC DIPOLE AND MONOPOLE ANTENNA SYSTEMS N63-16915 14-08

MEASURING THE CURRENT IN ELEMENTS OF ANTENNA ARRAY N63-16936 14-09

TORSIONAL RIGIDITY OF STRUCTURAL BEAM - INTERMITTENTLY STIFFENED I BEAM
T&AM-246 N63-16970 14-34

AUTOMATIC AREA COMPENSATOR FOR CONSTANT ANALYSIS OF SPECIMEN STRESS IN TENSILE TESTING MACHINE
T&AM-247 N63-16971 14-3

OPTIMIZATION TECHNIQUE FOR PULSE WIDTH MODULATED SYSTEMS
R-163 N63-17090 15-2

OPTIMIZATION OF NONLINEAR, TIME-VARYING DETERMINISTIC SYSTEMS
R-162 N63-17091 15-2

INTERACTIONS OF INTERSTITIALS WITH DISLOCATIONS N63-17130 15-2

PHOTODIODE AS SENSITIVE TEMPERATURE PROBE
ILL-8-P N63-17174 15-0

FRACTURE MECHANICS APPLICATION TO ORTHOTROPIC PLATES
T&AM-248 N63-17472 15-3

MICROWAVE PLASMA PROBE FOR STUDY OF SHOCK WAVES IN PLASMAS AND INERT GASES
AFCRL-63-123 N63-17474 15-2

SATURATION BEHAVIOR OF TRANSISTORS N63-17669 16-0

EFFECTS OF REPEATED LOADING AND MOISTURE ON FRACTURE TOUGHNESS AND CRACK GROWTH IN SAE 4340 STEEL
T&AM-245 N63-17746 16-1

DETECTION TECHNIQUES FOR ELECTROMAGNETIC RADIATION AT SUBMILLIMETER WAVELENGTHS
RADC-TDR-63-170 N63-18191 16-0

PRECESSION TORQUES IN ELECTRICALLY SUPPORTED GYROSCOPE
R-165 N63-18303 17-1

AUTOMATIC TRAFFIC CONTROL - EXPERIMENTAL CONTROL LOGIC
R-146 N63-18304 17-2

APPLICATION OF CROSS CORRELATION TECHNIQUES TO LINEAR ANTENNA ARRAYS EXCITED BY REMOTE RADIO SOURCES N63-18675 17-0

COMPUTATION OF ACOUSTICAL INVARIANTS IN CONTINUOUS AND DISCRETE MANIFOLDS - PROPERTY DETECTION SYSTEMS - BIONICS
AMRL-TDR-63-40 N63-19069 18-0

ATOMIC MOMENTUM TRANSFER COLLISION FREQUENCY IN DECAYING PLASMA IN HELIUM-KRYPTON AND HELIUM-XENON MIXTURES
R-171 N63-19348 18-2

CRYSTALLIZATION OF THE INTERMETALLIC COMPOUND OF NIOBIUM AND TIN IN 3-TO-1 RATIO - USE IN SUPERCONDUCTORS
R-170 N63-19366 18-2

LOG-PERIODIC AND LOG-SPIRAL ANTENNA PROBLEMS - WAVE PROPAGATION, TRANSMISSION, & RADIATION N63-19469 19-0

EPOXY RESIN FLEXIBILITY EFFECTS ON FRACTURE OF FIBERGLASS REINFORCED PLASTIC LAMINATE MODELS
T&AM-249 N63-19726 19-1

CHROMATIC ABERRATION IN A ZONED CYLINDRICAL MIRROR N63-20038 19-2

NONUNIFORM CONVERGENCE OF INVERSE MATRIX FOR BOUNDARY VALUE PROBLEMS IN WAVE GUIDES N63-20039 19-2

ELECTRIC VACUUM GYROSCOPE, PLASMA PHYSICS, COMPUTER PROGRAM, HIGH MAGNETIC FIELD SUPER-CONDUCTOR, ELECTRONICS, AND DISARMAMENT RESEARCH N63-20580 20-0

CONTRIBUTION OF EDUCATIONAL AND RESEARCH PROGRAMS TO MANPOWER AND ADVANCES IN SPACE SCIENCE - NASA PROGRAM N63-21138 21-0

VIDEO DETECTION TECHNIQUES APPROPRIATE FOR MILLIMETER AND SUBMILLIMETER RANGE OF SPECTRUM
RADC-TDR-63-365 N63-22406 23-09

CLASSIFICATION OF LEARNING TASKS AS AIDS IN ANALYZING TRAINING REQUIREMENTS & APPLYING LEARNING PRINCIPLES IN HUMAN ENGINEERING
AMRL-TDR-63-74 N63-22594 23-08

ENERGY ABSORPTION OF GRANULAR MEDIA SUBJECTED TO ONE-DIMENSIONAL COMPRESSION - STRESS ANALYSIS
SWC-TDR-62-91 N63-23585 24-33

AXISYMMETRIC AND ANNULAR SUPERSONIC NOZZLE PROFILES
NASA-CR-52188 N63-23656 24-02

ANALOGIES FOR TRANSIENT TEMPERATURE DEPENDENT LINEAR VISCOELASTIC MEDIA
AAE-63-2 N63-23674 24-23

SUITABILITY OF SIMPLE CORRUGATED SURFACES FOR BROADBAND ANTENNA DESIGN N63-23690 24-09

MPERIAL COLL. OF SCIENCE AND TECH., LONDON 'GT. BRIT./
PHOTOCHEMICAL REACTIONS IN ALKALI HALIDES - GAS EVOLUTION - POTASSIUM CHLORIDE AND SILVER CHLORIDE
N63-10593 02-07

EFFECT OF SMALL WIND SHEAR ON THUNDERSTORM CHARACTERISTICS
AFCRL-62-1127 N63-11600 04-21

OPEN SYSTEM CONVECTION ASSOCIATED WITH CUMULONIMBUS DYNAMICS
AFCRL-63-257 N63-14091 09-21

VIBRATIONAL RELAXATION IN HYPERSONIC NOZZLE FLOW - FERRANTI MERCURY COMPUTER SOLUTIONS
N63-14830 11-02

TEMPERATURE, VELOCITY, AND PRESSURE DISTRIBUTIONS IN STRUCTURE OF GASEOUS DETONATION WAVE
N63-15704 12-13

INCIDENCE OF ATMOSPHERIC TURBULENCE AND ITS CAUSAL FACTORS N63-16814 14-11

AIR FLOW IN CUMULUS AND CUMULONIMBUS CLOUDS - TURBULENCE IN STORMS N63-16818 14-11

TURBULENCE INDUCED IN STABLE, STRATIFIED AIRSTREAM BY AIR FLOW OVER MOUNTAINS N63-16819 14-11

ISOTOPIC CARBON AS A TRACER ELEMENT FOR COMBUSTION ANALYSIS N63-18516 17-26

THEORY OF SELF HEATING AND APPLICATION TO AMMONIUM PERCHLORATE-CUPROUS OXIDE SYSTEM - IGNITION TIME CALCULATIONS N63-18537 17-26

STABILIZATION OF FLAT DIFFUSION FLAMES - OPTICAL METHODS FOR ANALYSIS OF STRUCTURE AT VELOCITIES UP TO BLOW-OUT N63-18558 17-26

MODELS OF COMBUSTION PROCESSES FROM COST AND RELIABILITY N63-18577 17-23

COMBUSTION PROCESSES IN HIGH INTENSITY PREMIXED ONE STREAM COMBUSTION CHAMBERS
N63-18586 17-26

SORPTION OF SULFUR, PHOSPHORUS, AND MERCURY BY ZEOLITES N63-23425 24-19

NDIA. DEPT. OF ATOMIC ENERGY, BOMBAY.
NUCLEAR PHYSICS - NUCLEAR REACTIONS, SPECTROSCOPY, MAGNETIC RESONANCE, NEUTRON SCATTERING AND DIFFRACTION, RADIATION DAMAGE - SYMPOSIUM, 1962
N63-10767 02-23

VAN DE GRAAFF ACCELERATOR - BEAM ANALYZER, ENERGY STABILIZING SYSTEM, AND HIGH VOLTAGE GENERATOR
AEET/NP/5 N63-12973 07-10

ATMOSPHERIC CONTAMINATION AND RADIATION DOSE FROM NUCLEAR EXPLOSIONS UP TO APRIL 1962
AEET/AM/27 N63-16040 13-16

SELECTED BIBLIOGRAPHY OF OXIDES OF CADMIUM
AEET/CD/11 N63-16146 13-07

RESEARCH AND DEVELOPMENT OF ATOMIC ENERGY IN INDIA
N63-16357 14-10

NEUTRON DOSIMETRY OF APSARA USING COBALT, IRON AND FERROUS AMMONIUM SULFATE
AEET/CD/10 N63-16509 14-24

HYDRODYNAMIC MODEL OF RADIOACTIVITY - EQUATING RATE OF WATER FLOW WITH DECAY OF RADIONUCLIDE
AEET-ANAL.-6 N63-16539 14-23

NUCLEAR PHYSICS - REACTIONS & SPECTROSCOPY
N63-20336 20-23

ELECTRICAL CONDUCTIVITY OF URANIUM OXIDE AS FUNCTION OF TEMPERATURE AND PARTIAL PRESSURE OF OXYGEN
AEET/CD/13 N63-20954 21-25

INDIAN INST. OF SCIENCE, BANGALORE.
ANNUAL REPORT, INDIAN INSTITUTE OF SCIENCE, 1961 TO 1962 - CHEMISTRY, PHYSICS, METALLURGY, PHARMACOLOGY, MATHEMATICS & ENGINEERING
N63-18302 17-01

INDIANA U., BLOOMINGTON.
CALIBRATION OF THE INFRARED OPTOMETER
AMRL-TDR-62-88 N63-10183 01-15

PSYCHOPHYSICS AND SIGNAL DETECTION THEORY
ESD-TDR-62-305 N63-21698 22-14

INDIANA U. FOUNDATION, BLOOMINGTON.
CUMULATIVE AUDITORY EFFECT RESULTING FROM MULTIPLE EXPOSURE TO INTENSE ACOUSTICAL STIMULATION - DEAFENING EFFECTS OF NOISE ON CATS
AMRL-TDR-62-99/1/ N63-16286 13-18

INDUSTRIAL SCIENCE AND TECHNOLOGY AGENCY, TOKYO /JAPAN/.
DIFFUSION MAGNETIC AFTEREFFECT AND ACCOMPANYING PHENOMENA IN SUBSTITUTIONAL FERROMAGNETIC ALLOYS
N63-11904 04-23

AGITATIONAL PHENOMENA ON POWER SYSTEMS - LIGHTNING SURGES AND OVERVOLTAGE
N63-11905 04-21

WELDING ARC - POWER SOURCE, SHIELDING GAS OF ARC & ELECTRODE COVERING MATERIAL N63-11906 04-17

MEASUREMENT 10 GC/S MICROWAVE TRANSMISSION - USING HALL EFFECT IN SEMICONDUCTOR CRYSTALS
N63-15111 11-25

INNSBRUCK U. /AUSTRIA/.
SPACE MEDICINE - LEUKEMIA, ANEMIA AND RELATED HEMATOLOGICAL DISORDERS FROM ATOMIC RADIATION
N63-18950 18-16

MODELING STUDIES OF SUBSURFACE, VERY LOW FREQUENCY WAVE PROPAGATION IN LIQUIDS AND SOLIDS
AFCRL-63-353 N63-21800 22-09

COLOR DISCRIMINATION WITHOUT CHROMATIC VISION
N63-21908 22-23

APPROXIMATE SOLUTION OF MAGNETOHYDRODYNAMIC EQUATIONS FOR FINITE ELECTRICAL CONDUCTIVITY
N63-23175 24-24

RADIATION FIELD OF HORIZONTAL MAGNETIC DIPOLE WITHIN CONDUCTING EARTH
AFCRL-63-384 N63-23366 24-12

MEASUREMENT OF ATTENUATION FACTOR AND RELATIVE FIELD STRENGTH OF SKY AND SURFACE WAVES FOR GROUND PENETRATION AND SIGNAL TRANSMISSION
AFCRL-63-382 N63-23405 24-09

PRESSURE HILL & ADIABATIC ELLIPSE IN MAGNETOGAS-DYNAMICS N63-23516 24-24

DETERMINATION OF ROCK CONDUCTIVITY FROM VERY LOW FREQUENCY WAVE PROPAGATION MEASUREMENTS
AFCRL-63-383 N63-23581 24-08

INSTITUT FRANCO-ALLEMAND DE RECHERCHES, ST. LOUIS /FRANCE/.
AUTOMATIC MEASUREMENT OF FLOW VELOCITY VECTOR WITH BERYLLIUM-BRONZE SIPHON MEMBRANE
N63-20810 21-15

INSTITUTE FOR DEFENSE ANALYSES, PRINCETON, N.J.
PROPERTIES OF PROBABILITY DISTRIBUTIONS WITH MONOTONE HAZARD RATE
DI-82-0148 N63-14656 10-20

INSTITUTE FOR DEFENSE ANALYSES, WASHINGTON, D.C.
MATERIALS PROBLEM FOR THROAT INSERTS OF HIGH ENERGY SOLID PROPELLANT ROCKETS
IDA-TR-62-19 N63-19272 18-26

POSITRONS AS TRACERS TO STUDY MOTION OF TRAPPED ELECTRONS IN EARTH MAGNETOSPHERE
IDA/HQ-63-1715 N63-20063 20-28

INDUCTIVE ENERGY STORAGE, SUPERCONDUCTORS, MAGNETOHYDRODYNAMICS, TRANSDUCERS, SWITCHING & CONTROL RESEARCH
IDA/HQ-63-1412 N63-22280 23-01

INSTITUTE FOR RESEARCH, STATE COLLEGE, PA.
SUBJECTIVE PROBABILITY DISTRIBUTIONS - GAME THEORY
ESD-TDR-63-407 N63-20631 20-14

OPTIMAL STRATEGIES IN FUNGUS-EATER GAMES - LEARNING, DECISION PROCESS, GAMBLING - HUMAN BEHAVIOR
ESD-TDR-63-406 N63-20642 20-14

INSTITUTE OF ANDEAN BIOLOGY, LIMA /PERU/.
ELECTROCARDIOGRAPHIC AND VECTORCARDIOGRAPHIC OBSERVATIONS OF THE HEART AT HIGH ALTITUDES
SAM-TDR-62-87 N63-10655 02-16

HUMAN SKELETAL MUSCLE MYOGLOBIN CONTENT AND HIGH ALTITUDE ADAPTATION
SAM-TDR-62-89 N63-13342 08-16

PYRIDINE NUCLEOTIDE OXIDASES AND TRANSHYDROGENASE IN ACCLIMATIZATION TO HIGH ALTITUDE
SAM-TDR-62-88 N63-14791 11-16

PERUVIAN INDIANS - THERMAL AND METABOLIC RESPONSE TO COLD
AAL-TDR-62-64 N63-21408 22-16

INSTITUTE OF ENVIRONMENTAL SCIENCES, WASHINGTON, D.C.
SPACECRAFT AND DYNAMIC LOADS IN SPACE ENVIRONMENTS
N63-20876 21-18

INSTITUTION OF NUCLEAR ENGINEERS, LONDON /GT. BRIT./.
NUCLEAR PROPULSION AND AUXILIARY POWER SOURCES FOR SPACE TRAVEL N63-18928 18-26

INSTITUTO AEROTECNICO, CORDOBA /ARGENTINA/.
MEASURING BOUNDARY LAYERS AND WAKES IN SUPERSONIC FLOW N63-12797 06-11

INSTITUTO GEOFISICO DEL PERU, HUANCAYO.
RIOMETER RECORDS OF 30 MC/S - COSMIC NOISE AT HUANCAYO, PERU, JUNE 1961 TO SEPTEMBER 1962
N63-13426 08-08

INSTITUTO NACIONAL DE TECNICA AERONAUTICA, MADRID /SPAIN/.
SPHERICO-SYMMETRICAL LAMINAR FLOW DIFFUSION FLAME - STRUCTURAL ANALYSIS N63-18506 17-26

INSTITUTO TECHNOLOGICO DE AERONAUTICA, SAO PAULO /BRAZIL/.
SIMPLIFIED MODEL OF THE THIN WALL CYLINDER AND DESCRIPTION OF CONE BUCKLING MECHANISM
N63-10819 02-33

INSTITUTO Y OBSERVATORIO ASTRONOMICO DE MARINA, SAN FERNANDO /SPAIN/.
METEOROLOGICAL AND MAGNETIC OBSERVATIONS IN SPAIN, 1957-1958 N63-15428 12-21

ASTRONOMICAL ALMANAC, MAY-AUG 1963 - DATA FOR SUN, MOON, VENUS, SATURN, AND JUPITER
N63-17010 15-29

AERONAUTICAL & ASTRONAUTICAL TABLES - SEPT. TO DEC. 1963 N63-20275 20-0

INSTRUMENT CORP. OF FLORIDA, MELBOURNE.
CENTER OF PROJECTION OF CAMERA IN OBJECT SPACE - OPTICS
AFCRL-63-481 N63-17073 15-2

INTER-AMERICAN NUCLEAR ENERGY COMMISSION, WASHINGTON, D.C.
PEACEFUL APPLICATION OF NUCLEAR ENERGY - PHYSICS, ENGINEERING, AND GEOLOGY - VOL II
N63-18275 17-

PEACEFUL APPLICATION OF NUCLEAR ENERGY - PHYSICS, ENGINEERING, AND GEOLOGY - VOL I
N63-18296 17-0

INTERCHEMICAL CORP., NEW YORK, N.Y.
ORGANIC POLYMERS AS SEMICONDUCTORS
N63-12181 05-2

INTERNATIONAL ASTRONAUTICAL FEDERATION, PARIS /FRANCE/.
SPACE SCIENCE - PERFECTING THE COMMUNICATIONS SYSTEM - INTERNATIONAL COOPERATION AND RADIO ASTRONOMY N63-17053 15-0

INTERNATIONAL ASTRONOMICAL UNION, HAILSHAM /GT. BRIT./
ASTRONOMY - STARS, STELLAR EVOLUTION, AND EXTRA-GALACTIC RESEARCH
NASA-CR-50238 N63-17792 16-0

INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA /AUSTRIA/.
CONFERENCE ON PLASMA PHYSICS & CONTROLLED NUCLEAR FUSION RESEARCH, AUSTRIA - SEPT 1961
N63-13126 07-2

PLASMA PHYSICS THERMONUCLEAR FUSION CONFERENCE - REPORTS AND ANSTRACTS - PART 2
N63-13127 07-2

INTERNATIONAL BUSINESS MACHINES CORP., KINGSTON, N.Y.
THIN FILM PRODUCTION TECHNIQUE
N63-10160 01-1

REAL TIME APPLICATIONS OF CELESTIAL MECHANICS IN MERCURY PROJECT
ARS PAPER-2623-62 N63-11257 03-2

MICROELECTRONICS - THIN FILM AIRBORNE COMPUTER
N63-17363 15-2

MICROELECTRONICS - MATERIALS AND PROCESSES FOR THIN FILM CIRCUITS N63-17364 15-1

INTERNATIONAL BUSINESS MACHINES CORP., OWEGO, N.Y.
RELIABILITY OF CIRCUIT PERFORMANCE PREDICTIONS
N63-17287 15-0

INTERNATIONAL BUSINESS MACHINES CORP., ROCKVILLE, MD.
MERCURY PROJECT - PROGRAMMING STANDARDS
MC-102 N63-10957 02-2

MERCURY PROJECT - BERMUDA MONITOR PROGRAMS
MC-104 N63-10958 02-0

MERCURY PROJECT - BERMUDA PROCESSOR PROGRAMS
MC-106 N63-10959 02-0

MERCURY PROJECT - POSTFLIGHT REPORTER PROGRAM
MC-110 N63-10960 02-3

INTERNATIONAL BUSINESS MACHINES CORP., SAN JOSE, CALIF.
FLAME PROPAGATION IN LAMINAR BOUNDARY LAYERS
N63-18505 17-2

INTERNATIONAL BUSINESS MACHINES CORP., YORKTOWN HEIGHTS, N.Y.
ADAPTIVE MAN-MACHINE NONARITHMETICAL INFORMATION PROCESSING SYSTEM
AFCRL-62-397 N63-10116 01-2

MACHINE LANGUAGE AND ORGANIZATION FOR EXPERIMENTAL DIGITAL DATA SYSTEM
AFCRL-62-964 N63-13227 07-20

HARMONIC GENERATION AND MIXING OF OPTICAL SIGNALS
RC-928 N63-23173 24-23

LOW TEMPERATURE VAPOR DEPOSITION IN EPITAXIAL GROWTH OF TRANSISTORS
AFCRL-63-363 N63-23179 24-25

INTERNATIONAL CIVIL AVIATION ORGANIZATION, MONTREAL /CANADA/.
AIRWORTHINESS COMMITTEE MEETING IN MONTREAL, 1962
N63-15901 13-04

INTERNATIONAL COMMISSION ON ACOUSTICS.
ACOUSTICS - PHYSIOLOGICAL EFFECT, NOISE MEASUREMENT N63-18238 17-23

INTERNATIONAL FLAME RESEARCH FOUNDATION, IJMUIDEN /NETHERLANDS/.
COMBUSTION PROCESSES AND FLAME PROPAGATION OF JET BURNERS N63-18582 17-11

INTERNATIONAL GEOPHYSICAL YEAR WORLD DATA CENTER A, BOULDER, COLO.
DATA ON AIRGLOW AND THE IONOSPHERE FROM IGY WORLD DATA CENTER-A N63-10768 02-12

REPORT ON SOLAR ACTIVITY - FLARES, PROMINENCES, FILAMENTS, SURGES, AND RADIATIONS
IGY SOLAR ACT. REPT. SER.-22 N63-15553 12-28

SOLAR FLARE INDEX 1961 - DURATION, AREA, MAXIMA, AND INTENSITY - MCMATH-HULBERT OBSERVATORY
IGY SOLAR ACT. REPT.-21 N63-15964 13-28

CORRECTIONS TO NATIONAL BUREAU OF STANDARDS LIST OF INTERNATIONAL GEOPHYSICAL YEAR FLARES
IGY SOLAR ACT. REPT. SER.-17A
N63-17703 16-28

INTERNATIONAL GEOPHYSICAL YEAR WORLD DATA CENTER A, WASHINGTON, D.C.
ROCKETS AND SATELLITES - DATA CATALOG
N63-11495 03-12

ANNOTATED BIBLIOGRAPHY OF UNITED STATES CONTRIBUTIONS TO IGY AND IGC - 1953-1960
IGY GEN. REPT. SER.-18 N63-18670 17-12

IGY ROCKET PROGRAM RESULTS - TEMPERATURE, WIND, DENSITY & RADIATION MEASUREMENTS
IGY-ROCKET REPT.-7 N63-19676 19-12

SOUNDING ROCKET AND SATELLITE DATA JULY 1 TO DECEMBER 31, 1962 N63-23157 24-32

INTERNATIONAL METEOROLOGICAL INST., STOCKHOLM /SWEDEN/.
ION SOURCE FOR ELECTROSTATIC PROPULSION ENGINE
N63-16338 13-27

INTERNATIONAL RESEARCH INST., PRINCETON, N.J.
MATHEMATICAL THEOREM-PROVING BY COMPUTER SEMI-AUTOMATION
AFCRL-63-188 N63-20437 20-20

INTERNATIONAL RESISTANCE CO., PHILADELPHIA, PA.
PRECISION VOLUME RESISTOR N63-22793 23-09

INTERNATIONAL SOCIETY FOR PHOTOGRAMMETRY, LONDON /GT. BRIT./
NUMERICAL PROCEDURES IN PHOTOGRAMMETRY
N63-11345 03-12

ANALYTICAL PLOTTER FOR MAKING CORRECTIONS ON PLATE COORDINATES N63-11592 04-12

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY, BASLE /SWITZERLAND/.
BIBLIOGRAPHY ON THE HIGH TEMPERATURE CHEMISTRY AND PHYSICS OF GASES AND GAS-CONDENSED PHASE REACTIONS
N63-10195 01-07

BIBLIOGRAPHY ON HIGH TEMPERATURE CHEMISTRY AND PHYSICS OF GASES AND GAS-CONDENSED PHASE REACTIONS
N63-12584 06-07

HIGH TEMPERATURE CHEMISTRY AND PHYSICS OF MATERIALS IN CONDENSED STATE N63-12585 06-07

BIBLIOGRAPHY ON HIGH TEMPERATURE CHEMISTRY AND PHYSICS OF MATERIALS IN CONDENSED STATE
N63-15927 13-17

BIBLIOGRAPHY ON HIGH TEMPERATURE RESEARCH IN GAS-LIQUID INTERACTIONS, REACTIONS, AND SPECTROSCOPY
N63-15928 13-07

BIBLIOGRAPHY ON HIGH TEMPERATURE CHEMISTRY AND PHYSICS OF MATERIALS IN CONDENSED STATE
N63-21543 22-07

INTERNATIONAL UNION OF PURE AND APPLIED PHYSICS.
REACTION BETWEEN GASES AND CONDENSED PHASES - SPECTROSCOPY OF HIGH TEMPERATURE CHEMISTRY - BIBLIOGRAPHY N63-21477 22-01

ION PHYSICS CORP., BURLINGTON, MASS.
ION SOURCE FOR ELECTROSTATIC PROPULSION ENGINE
N63-16338 13-27

ELECTRON BOMBARDMENT ION ENGINE - BEAM CURRENT LIMITED BY EITHER ARC OR ELECTRODES
N63-17184 15-27

PLASMA THEORY OF LEWIS TYPE BOMBARDMENT ION ENGINE
N63-17659 16-24

HYDROGEN ION BEAM NEUTRALIZATION - NEUTRAL, POSITIVE, AND NEGATIVE IONS FROM RARE GAS TARGET
ASD-TDR-63-41 N63-22638 23-23

SPACE ENVIRONMENT AS A DIELECTRIC - SOLAR CORONA AND MICROMETEOROID EFFECTS N63-22687 23-29

IONICS, INC., CAMBRIDGE, MASS.
ELECTRODIALYSIS FOR RECOVERING POTABLE WATER FROM URINE
AMRL-TDR-63-30 N63-17491 16-16

IOWA ENGINEERING EXPERIMENT STATION, AMES.
PLASTIC DEFORMATION OF SODIUM CHLORIDE BICRYSTAL AT GRAIN BOUNDARY
AROD-2916-1 N63-17513 16-25

IOWA INST. OF HYDRAULIC RESEARCH, IOWA CITY.
LAGALLY THEOREM FOR MULTIPOLES
N63-13675 08-20

FORCE ON PROLATE SPHEROID IN AXISYMMETRIC POTENTIAL FLOW - BODY OF REVOLUTION
N63-13680 08-11

DRAG COEFFICIENTS OF BODIES OF REVOLUTION WITH VARIOUS HEAD FORMS IN SUPERCAVITATING FLOWS AT VARIOUS ANGLES OF YAW N63-18102 16-02

SHIP MODEL WAVE RESISTANCE DATA USING FREE SURFACE AND CONCOMITANT SURFACE WAVES GENERATED BY HULL ON VISCOUS DRAG N63-18725 17-14

DETERMINING VISCOUS DRAG OF SHIP MODELS BY MEANS OF A WAKE SURVEY N63-23080 24-11

IOWA STATE U., IOWA CITY.
DIURNAL VARIATION OF THE GEOMAGNETICALLY TRAPPED RADIATION
SUI-62-23-A N63-10312 01-12

GEOMAGNETICALLY TRAPPED RADIATION PRODUCED BY A HIGH ALTITUDE NUCLEAR EXPLOSION
N63-10487 01-28

ENERGETIC ELECTRONS AND AURORAL ABSORPTION OF RADIO WAVES
SUI-62-23-B N63-10685 02-12

INCREASED INTENSITY OF INNER RADIATION BELT, COSMIC RAYS, ATMOSPHERIC DENSITY, TRAPPED PARTICLE
N63-10903 02-28

ELECTRONS IN THE EARTHS OUTER RADIATION BELT
N63-10905 02-28

INJUN III SATELLITE - GEOPHYSICS
SUI-62-24 N63-11321 03-30

GEOPHYSICAL RESEARCH WITH INJUN I, II, AND III SATELLITES
SUI-62-28 N63-11323 03-12

MOTION OF CHARGED PARTICLE IN DIPOLE MAGNETIC FIELD N63-11584 04-20

ELECTRON INTENSITY IN THE EARTHS INNER RADIATION ZONE
SUI-62-27 N63-11888 04-28

ABSOLUTE INTENSITIES OF GEOMAGNETICALLY TRAPPED PARTICLES WITH EXPLORER XIV
SUI-62-31 N63-12328 05-28

VAN ALLEN BELTS - MOTION AND ORIGIN OF PARTICLES IN EARTH RADIATION BELTS N63-12653 06-28

ASYMPTOTIC CONES OF ACCEPTANCE AND COSMIC RADIATION VARIATION N63-13295 07-28

INJUN I SATELLITE OBSERVATIONS OF SOLAR PROTONS AND MAGNETIC STORMS N63-13317 07-28

SATELLITE OBSERVATION OF ARTIFICIAL RADIATION BELT, JULY 1962 N63-13823 09-28

COMPUTING COSMIC RAY CUTOFF RIGIDITY FOR SEVERAL GEOMAGNETIC FIELD MODELS N63-13970 09-12

MAGNETIC MOMENT OF MODEL RING CURRENT BELTS AND CUTOFF RIGIDITY OF SOLAR PROTONS
N63-14288 10-28

MARINER II VENUS PROBE - MAGNETOSPHERE - SPATIAL DISTRIBUTION AND INTENSITY OF CHARGED PARTICLES IN MAGNETIC TRAPS N63-14943 11-29

CHARGED PARTICLE MEASUREMENT IN VENUS MAGNETOSPHERE WITH GEIGER-MUELLER DETECTOR ON MARINER II
SUI-63-6 N63-15085 11-32

CHANGE IN BOUNDARY OF OUTER RADIATION ZONE FOLLOWING MAGNETIC STORM OF SEPTEMBER 30, 1961 - EXPLORER VII DATA ON TRAPPED ELECTRON INTENSITIES
SUI-63-7 N63-15086 11-28

EARTH RADIATION BELTS - RADIATION HAZARD
N63-15116 11-28

SPACE SCIENCE - SATELLITE OBSERVATION OF GALACTIC SOLAR COSMIC RAYS - EXPLORER 7
N63-16009 13-28

ELECTRON FLUX AND ITS RELATIONSHIP TO AURORAL ABSORPTION OF RADIO WAVES N63-17172 15-12

TRAPPED RADIATION AS MEASURED BY SATELLITE-BORNE INSTRUMENTS
NASA-CR-50284 N63-17200 15-28

HESS DESCRIPTION OF ARTIFICIAL RADIATION BELT MADE BY STARFISH NUCLEAR EXPLOSION OF JULY 9, 1962
SUI-63-5 N63-17739 16-28

COSMIC RAY INTENSITY STUDY BY EXPLORER VII
NASA-CR-50419 N63-18167 16-28

OBSERVATION OF SOLAR COSMIC RAYS FROM OCTOBER 1959 TO FEBRUARY 1961 WITH EXPLORER VII
NASA-CR-50421 N63-18319 17-28

DEFORMATION OF EARTH MAGNETIC FIELD IN RADIATION BELT REGIONS FROM RING CURRENTS AND SOLAR PLASMA FLOW
NASA-CR-50061 N63-18406 17-12

MAIN PHASE OF GREAT GEOMAGNETIC STORMS - DECAY RATES OF PHASE COMPONENTS N63-19131 18-28

CADMIUM SULFIDE RADIATION DETECTOR FOR SATELLITES
N63-20466 20-32

DEFORMATION OF MAGNETIC SHELLS DURING MAGNETIC STORMS N63-21334 21-12

GRAPHITE-OXYGEN HIGH TEMPERATURE FUEL CELL
IS-665 N63-21459 22-06

SAMPLING OF FINITE POPULATION OF UNEQUAL PROBABILITY DISTRIBUTION WITHOUT REPLACEMENT
AROD-2934-2 N63-21695 22-20

INTENSE LOW ENERGY ELECTRON FLUXES IN OUTER ZONE OBSERVED BY INJUN II SATELLITE
NASA-CR-51391 N63-21977 22-28

EXPORER XII OBSERVATIONS OF MAGNETOSPHERE BOUNDARY AND SOLAR PLASMA DURING MAGNETIC STORM
N63-22449 23-29

ANOMALOUS ENTRY OF LOW-RIGIDITY SOLAR COSMIC RAYS INTO GEOMAGNETIC FIELD N63-23163 24-28

LATITUDE SURVEY OF COSMIC RAY INTENSITY BY EXPLORER 7 FROM OCTOBER 1959 TO FEBRUARY 1961
N63-23166 24-28

GEOMAGNETICALLY TRAPPED PARTICLE INTENSITIES, FLUCTUATIONS, DISTRIBUTIONS, AND SOURCES FOR INNER AND OUTER RADIATION BELTS - SATELLITE MEASUREMENTS
N63-23447 24-28

IOWA STATE U. OF SCIENCE AND TECH., AMES.

THERMAL DIFFUSIVITY MEASUREMENTS ON A FINITE DISK, TEMPERATURE DISTRIBUTION, REENTRY PHYSICS, ENERGY CONVERSION
IS-492 N63-10708 02-13

ELECTRONIC STRUCTURE OF SOLIDS DETERMINED FROM THE ANGULAR CORRELATION OF PHOTONS EMITTED FROM POSITRON ANNIHILATION
IS-299 N63-10752 02-25

DIAPHRAGM PUMP FOR LIQUID METALS
IS-464 N63-11812 04-17

FORTRAN PROGRAM FOR DETERMINING THERMAL DIFFUSIVITY OF FINITE LENGTH SAMPLES
IS-507 N63-11813 04-20

CATALOG OF NUCLEAR QUADRUPOLE INTERACTIONS AND RESONANCE FREQUENCIES IN SOLIDS - PART I, ELEMENTS AND INORGANIC COMPOUNDS
IS-520 N63-12476 06-23

GROWTH OF SINGLE CRYSTALS OF LEAD, CADMIUM AND BISMUTH USING BRIDGMAN METHOD
IS-542 N63-12477 06-18

INJECTION OF ELECTRONS INTO ANNULAR MACHINES AND CENTRAL-SHIFT-CAPTURE MECHANISM
IS-313 N63-13199 07-23

HIGH CONDUCTIVITY FINS FOR GAS COOLED LIQUID-METAL HEAT EXCHANGER
IS-587 N63-13248 07-13

UNEQUAL PROBABILITY SAMPLING PROCEDURES AND ASYMPTOTIC THEORY WITH FINITE POPULATION
AROD-2934-3 N63-13343 08-20

PROBABILITY THEORY - POPULATION MEAN ESTIMATION USING RATIO AND REGRESSION IN MULTISTAGE SAMPLING
AROD-2934-7 N63-13344 08-20

RELATIVE EFFICIENCY OF SAMPLING METHODS OF POPULATION MEAN
AROD-2934-8 N63-13345 08-20

INJECTION OF ELECTRONS INTO SYNCHROTRON, INTENSITY
IS-522 N63-14242 10-23

CHEMISTRY, ENGINEERING, METALLURGY, AND PHYSICS RESEARCH - SUMMARY REPORT
IS-500 N63-14961 11-01

ASPECTS OF CONSTRAINED RANDOMIZATION - MATHEMATICAL STATISTICS AND PROBABILITY THEORY
ARL-63-18 N63-15575 12-20

TRANSFORMATION FORMULAS AND HYPERGEOMETRIC ELLIPTICAL INTEGRAL FUNCTIONS
N63-16151 13-20

COMBINATION OF POPULATION SAMPLING WITH TIME SERIES ANALYSIS TO DEVELOP A FINITE POPULATION THEORY

AROD-2934-9 N63-17385 15-20

AIR COOLED SODIUM HEAT EXCHANGER
IS-562 N63-18797 18-13

TURBULENT MASS TRANSFER DIFFUSION IN LIQUID STREAMS - FLUID MECHANICS
IS-419 N63-18849 18-11

UNEQUAL PROBABILITY SAMPLING THEORY AND TIME SERIES ASPECTS OF PANEL SURVEYS OF FINITE POPULATIONS
AROD-2934-13 N63-19086 18-20

HIGH TEMPERATURE SPECTRAL EMISSIVITY OF YTTRIUM, SAMARIUM, GADOLINIUM, ERBIUM AND LUTETIUM OXIDES
IS-578 N63-19155 18-25

GENERALIZED COMPOSITE AND MULTI-COMPONENT ESTIMATORS IN ROTATION SAMPLE DESIGNS USING PROBABILITY THEORY
AROD-2934-12 N63-19803 19-20

WORK HARDENING CHARACTERISTICS OF THORIUM
IS-576 N63-20765 21-18

RARE EARTH SALTS OF TRICARBALLYLIC ACID - HYDRATION AND SOLUBILITY
IS-657 N63-21013 21-19

VIBRATORY POLISHING VARIABLES IN METALLOGRAPHY
IS-662 N63-21653 22-18

COMPOUNDING OF GRADIENT ERROR IN METHOD OF PARALLEL TANGENTS - PARTAN & STEEPEST DESCENT METHODS
ARL-63-144 N63-22498 23-20

NITRATE ION DISSOCIATION IN FUSED NITRATES - NITROGEN DIOXIDE-OXYGEN ELECTRODE & NITRATE ION-CARBONATE ION DISSOCIATION CONSTANTS
IS-618 N63-22992 23-07

IRCO CORP., NEW YORK, N.Y.

OPTICAL SCANNING USING ELECTRICALLY-MODULATED MEMBRANE MIRRORS - APPARATUS AND EXPERIMENTAL RESULTS
N63-12808 06-09

OPTICAL TRACKING USING MEMBRANE-TYPE OBJECTIVE MIRRORS
N63-20349 20-15

ISOMET CORP., PALISADES PARK, N.J.

REGENERABLE CARBON DIOXIDE SORPTION SYSTEMS
AMRL-TDR-62-135 N63-11686 04-16

PREPARATION OF IRON COMPOUNDS OF HIGH PURITY - ANHYDROUS FERROUS CHLORIDE
ASD-TDR-62-1040 N63-16486 14-07

ISRAEL INST. OF TECH., HAIFA.

YIELD AND ANGULAR DISTRIBUTION OF CERENKOV RADIATION FROM EXTENSIVE AIR SHOWERS
AFCRL-62-1046 N63-10121 01-23

BUCKLING OF ORTHOTROPIC AND STIFFENED CONICAL THIN SHELLS
N63-10840 02-33

TRANSMISSION OF AUDIOFREQUENCY ELECTROMAGNETIC WAVES THROUGH EARTHS IONOSPHERE IN IONIC MODE
AFCRL-62-797 N63-11039 03-08

EFFECT OF ORDER-DISORDER PHENOMENA ON STRENGTH OF HIGH TEMPERATURE ALLOYS
ARL-225 N63-12668 06-18

ABSORPTION LINE STRENGTH IN CARBON MONOXIDE 2-0 BAND
AFCRL-63-283 N63-16132 13-23

SPECTRAL EMITTANCE OF CARBON DIOXIDE AT HIGH TEMPERATURE
N63-18510 17-07

DIRECTION OF MINIMUM ABSORPTION OF HOMOGENEOUS PLANE WAVE TRAVERSING HOMOGENEOUS IONOSPHERIC SLAB
AFCRL-63-650 N63-21202 21-12

OBSERVATIONS ON NIGHT-SKY CERENKOV RADIATION IN EXTENSIVE AIR SHOWERS
AFCRL-63-881 N63-21982 22-28

EXPERIMENTAL ARRANGEMENT AND RESULTS OF OBSERVATIONS ON NIGHT-SKY CERENKOV RADIATION IN EXTENSIVE AIR SHOWERS
N63-21983 22-28

ANALYSIS AND INTERPRETATION OF OBSERVATIONS ON NIGHT-SKY CERENKOV RADIATION IN EXTENSIVE AIR SHOWERS
N63-21984 22-28

ISRAEL PROGRAM FOR SCIENTIFIC TRANSLATIONS, LTD., JERUSALEM.

MATHEMATICAL ANALYSIS OF ANGULAR MOMENTUM
NASA-TT-F-98 N63-11498 03-23

GAS DYNAMICS, COMBUSTION PHYSICS, SHOCK WAVE PROPAGATION, EXTERNAL FRICTION, HEAT EXCHANGE, SUPERSONIC FLOW, DENSITY DISTRIBUTION
NASA-TT-F-79 N63-12262 05-11

OPTICAL TRANSITION PROPERTIES - SURVEY
PST-501 N63-14638 10-23

STRESS-CORROSION CRACKING OF METALS
OTS-51084 N63-15951 13-18

GRAVIMETRY - APPARATUS AND METHODS FOR MEASURING GRAVITY
IPST-644 N63-16187 13-23

PHYSICAL PROCESSES IN STARS - STELLAR STRUCTURE, SOLAR PHYSICS, PROTON-PROTON REACTION, AND ENERGY TRANSFER
N63-16232 13-05

SYNTHETIC LIQUID FUEL - FUEL PROCESSING, HYDROGENATION, AND SYNTHESIS
OTS 61-31075 N63-17006 15-26

SOUND AND ULTRASONIC WAVES IN AIR, WATER AND SOLID BODIES
NASA-TT-F-96 N63-19157 18-23

PROBLEMS IN CLIMATOLOGY AND METEOROLOGY
OTS-61-11463 N63-19383 18-21

WATER BALANCE IN THE ATMOSPHERE - EVAPORATION AND PRECIPITATION CLIMATOLOGY - EFFECTS OF TOPOGRAPHY
N63-19384 18-21

GENERAL ATMOSPHERIC CIRCULATION - REVIEW OF CLIMATOLOGICAL RESEARCH
N63-19385 18-21

VARIATIONS OF METEOROLOGICAL ELEMENTS IN SPACE AND TIME - CLIMATOLOGY OF DIFFERENCES
N63-19386 18-21

SEASONAL VARIATION IN HEAT BALANCE OF ATMOSPHERE OF NORTHERN HEMISPHERE - RADIATION AND CLIMATOLOGY
N63-19387 18-21

CLIMATIC DATA REQUIREMENTS FOR PREDICTING AGRICULTURAL PRODUCTION
N63-19388 18-21

PROBLEMS OF FLUID MECHANICS ENCOUNTERED IN ENGINEERING DESIGN - APPLIED FLUID DYNAMICS
NASA-TT-F-94 N63-21073 21-11

CHEMICAL COMPOSITION AS FUNCTION OF HIGH PRESSURE AND CHEMICAL EQUILIBRIA
NASA-TT-F-95 N63-21484 22-07

NONLINEAR THEORY OF THIN ELASTIC SHELLS
IPST-CAT. 201 N63-22860 23-23

ISTITUTO SUPERIORE DI SANITA, ROME /ITALY/.

PION BEAM OF 150 MEV/C MOMENTUM
ISS-63/27 N63-21487 22-23

CROSS SECTIONS FOR INELASTIC SCATTERING OF GAMMA RAYS ON K AND L ELECTRONS OF GOLD AND URANIUM
ISS-63/7 RIST. N63-22779 23-23

COHERENT AND INCOHERENT SCATTERING CROSS SECTIONS OF GAMMA RAYS ON K AND L ELECTRONS OF GOLD AND URANIUM
ISS-63/8 RIST. N63-22780 23-23

CHROMATOGRAPHIC STUDY OF DESOXYRIBONUCLEIC ACID FROM BACTERIOPHAGE ALPHA
ISS-63/36 N63-22781 23-23

HIGH ENERGY NUCLEAR PHYSICS
ISS-63-29 N63-23460 24-23

NUCLEAR STRUCTURE AND HIGH ENERGY NUCLEAR PHYSICS
N63-23464 24-23

HIGH ENERGY NUCLEAR PHYSICS SEMINAR, ROME, 1963
ISS-63-30 N63-23465 24-23

ISTITUTO UNIVERSITARIO NAVALE, NAPLES /ITALY/.
NONUNIFORM NON-LOSSY OR LOSSY TRANSMISSION LINES OR LAYERS, USED AS BROADBAND MATCHING OR ABSORBING DEVICES
RADC-TDR-63-123 N63-14494 10-08

MATCHING AND ABSORBING MATERIALS FOR MICROWAVE RADIATION - STRATIFICATION AND REFLECTION
RADC-TDR-63-141 N63-14504 10-25

HOMOGENEOUS LAYER APPROXIMATION OF TAPERED JUNCTION USING STEP FUNCTION
RADC-TDR-63-315 N63-18091 16-09

DISTRIBUTED PARAMETER SYSTEM FOR SYNTHESIS OF TAPERED JUNCTIONS N63-18092 16-09

INHOMOGENEOUS LINE OR LAYER AS MATCHING DEVICE
N63-18093 16-09

ITALY. MINISTERO DIFESA AERONAUTICA, ROME.
ASTRONAUT SELECTION CRITERIA - PSYCHO-PHYSICAL FACTORS N63-18937 18-16

ITEK CORP., LEXINGTON, MASS.
RECORD RESEARCH AND DISSEMINATION UNIT - DATA HANDLING SYSTEM
RADC-TDR-63-291 N63-19668 19-09

ITEK LABS. PALO ALTO DIV., CALIF.
X-RAY DENSITOMETER FOR USE IN PLASMA STREAMS
AIAA PAPER 63-387 N63-23400 24-24

ITT FEDERAL LABS., NUTLEY, N.J.
FERROELECTRIC ENERGY CONVERSION
ASD-TDR-62-398 N63-10480 01-06

SOLID STATE TACTICAL AIR NAVIGATION RECEIVER-DECODER
ESD-TDR-63-128 N63-18090 16-09

SOLID STATE TACAN MONITOR - DELIVERABLE BREAD-BOARD - PHYSICAL & ELECTRICAL ASPECTS
ESD-TDR-63-321 N63-18276 17-08

TRACE IMPURITY EFFECTS ON GROWTH HILLOCKS DURING EPITAXIAL ELECTRODEPOSITION FROM COPPER PERCHLORATE SOLUTIONS - CRYSTALLOGRAPHY
AFCRL-63-172 N63-19360 18-07

RESISTIVITY MEASUREMENTS AND MEASUREMENT OF VOLTAGE DUE TO HALL EFFECT OF SEMICONDUCTING DIAMONDS
AFCRL-63-309 N63-21463 22-19

ITT FEDERAL LABS., SAN FERNANDO, CALIF.
INFRARED IMAGE CONVERTER N63-10129 01-23

ITT INDUSTRIAL LABS., FORT WAYNE, IND.
CLOSE-SPACED ANODE AND CATHODE IN THERMIONIC CONVERTER
ASD-TDR-62-687 N63-16308 13-09

J

JAPAN. MINISTRY OF POSTS AND TELECOMMUNICATIONS, RADIO RESEARCH LABS., TOKYO.
RADIO OBSERVATIONS OF DOPPLER FREQUENCY SHIFT FROM SOVIET ORBITING SATELLITES
AFCRL-63-489 N63-22765 23-08

JAPAN. MINISTRY OF TRANSPORTATION, TOKYO /JAPAN/.
VELOCITY-DEFECT LAW OF TURBULENT BOUNDARY LAYER
N63-11304 03-11

ALUMINUM ALLOY MODEL PROPELLERS
TTRI-52 N63-11305 03-17

THEORETICAL SOLUTION OF ORTHOTROPIC PLATE SUBJECTED TO BENDING
TTRI-48 N63-12403 06-33

COMPARISON OF BENDING OF ORTHOGONALLY STIFFENED PLATE WITH BENDING THEORY OF ORTHOTROPIC PLATE
TTRI-53 N63-12404 06-33

PROPAGATION OF BRITTLE FRACTURE - STRAIN ENERGY RELEASE RATE FOR AN ENLARGING SLIT AT CONSTANT SPEED
TTRI-54 N63-15231 11-33

BRITTLE CRACK INITIATION AND PROPAGATION FROM DYNAMICS VIEWPOINT - ESSO FATIGUE TEST ANALYSIS
TTRI-55 N63-15232 11-33

TESTS AND DESIGN DIAGRAMS OF THREE-BLADED CONTROLLABLE PITCH PROPELLERS
TTRI-57 N63-15233 11-34

BRITTLE CRACK PROPAGATION AND ARREST - EFFECT OF TEMPERATURE GRADIENT
TTRI-56 N63-17246 15-33

BOILING WATER NUCLEAR SUPERHEATING REACTOR
TTRI-58 N63-17247 15-20

JET PROPULSION LAB., CALIF. INST. OF TECH., PASADENA.
NUCLEAR-ELECTRIC SPACECRAFT FOR UNMANNED SPACE EXPLORATION
JPL-TR-32-303 N63-10079 01-30

THE EFFECT ON THE LUNAR ORBIT OF METEORITIC ACCRETION
JPL-TR-32-293 N63-10143 01-29

FREE-SURFACE SHAPE OF A STATIC FLUID IN A CYLINDRICAL TANK OF LARGE RADIUS
JPL-TR-32-344 N63-10218 01-11

SPECTROSCOPIC TEMPERATURE AND PRESSURE MEASUREMENT IN THE VENUS ATMOSPHERE
JPL-TR-32-251 N63-10245 01-29

MODAL CHARACTERISTICS OF NONUNIFORM THIN CIRCULAR RINGS
JPL-TR-32-252, ADD. 1 N63-10246 01-20

PHYSICAL INTERPRETATION OF THE EXTRA SOLUTIONS OF THE DIRAC EQUATION FOR STRONGLY COUPLED YUKAWA POTENTIALS
JPL-TR-32-341 N63-10247 01-23

POTENTIALITIES OF ELECTRON BOMBARDMENT ION ENGINES FOR ELECTRIC PROPULSION
JPL-TR-32-301 N63-10248 01-27

SYNCHRONIZATION OF TELEMETRY CODES
JPL-TR-32-304 N63-10249 01-08

OPERATIONAL 960-MC MASER SYSTEM FOR DEEP-SPACE TRACKING MISSIONS
JPL-TR-32-306 N63-10250 01-25

SOLAR ENERGY THERMIONIC CONVERSION SYSTEM
ARS PAPER-2499-62 N63-10253 01-06

SOLAR-CELL POWER SYSTEMS TESTING - BALLOON FLIGHTS
ARS PAPER-2504-62 N63-10255 01-06

SOVIET SPACE EXPLORATION
JPRS-16187 N63-10320 01-32

HEAT TRANSFER AND FRICTION IN SMOOTH AND ROUGH TUBES AT VARIOUS PRANDTL NUMBERS
JPL-TR-32-269 N63-10332 01-13

MOD-II RANGING EQUIPMENT
JPL-TR-32-337 N63-10333 01-20

SPACE PROGRAMS SUMMARY NO. 37-17 - VOL 6, JULY TO OCT 1962 - SPACE EXPLORATION PROGRAMS & SPACE SCIENCES
JPL-SPS-37-17, VOL. VI N63-10334 01-29

ORIGIN OF HEAVY ELEMENTS AND IRON METEORITES - NUCLEOSYNTHESIS
JPL-TR-32-264 N63-10335 01-29

VENUSIAN AND LUNAR RADAR DEPOLARIZATION EXPERIMENTS
JPL-TR-32-245 N63-10428 01-05

THERMODYNAMIC PROPERTIES OF NITRYL FLUORIDE
JPL-TR-32-253 N63-10651 02-07

THERMAL DESIGN OF SOLID-CORE REACTORS FOR NUCLEAR PROPULSION
JPL-TR-32-217 N63-10652 02-27

FLOW SEPARATION IN A CONTOUR NOZZLE
JPL-TR-32-317 N63-10710 02-11

JPL BIBLIOGRAPHY ON SPACE SCIENCE, 1961-1962
JPL-BIBL-39-3 N63-10765 02-01

NUCLEAR ELECTRIC SPACE-BUS FOR PLANETARY LANDING MISSIONS
ARS PAPER-2390-62 N63-10803 02-29

ELECTROMAGNETIC FLOWMETER FOR LOW CONDUCTIVITY FLUIDS
JPL-TR-32-329 N63-10889 02-15

SPACE PROGRAMS SUMMARY NO. 37-17 - VOL IV, SPACE PROGRAMS - TELECOMMUNICATIONS - GUIDANCE AND CONTROL - PROPULSION
JPL-SPS-37-17, VOL. IV N63-10939 02-01

PROPOSED TREATY FOR BANNING WEAPONS IN SPACE
JPL-SM-40-1 N63-10953 02-01

SPACE PROGRAMS SUMMARY NO. 37-18 - SEPT TO NOV 1962 - DEEP SPACE INSTRUMENTATION FACILITY
JPL-SPS-37-18, VOL. II N63-11052 03-10

TENSILE PROPERTIES OF FIVE LOW-ALLOY AND STAINLESS STEELS UNDER HIGH HEATING RATE AND CONSTANT TEMPERATURE
JPL-TR-32-222 N63-11053 03-18

AERODYNAMIC STABILITY OF PLANETARY ENTRY-VEHICLES
JPL-TR-32-338 N63-11237 03-02

PLANETARY POSITION - VELOCITY EPHEMERIDES PERTURBATIONS
ARS PAPER-2602-62 N63-11250 03-05

ELECTRIC PROPULSION POWERPLANTS FOR SPACECRAFT
ARS PAPER-2652-62 N63-11265 03-27

THERMAL EXPANSION OF CERAMIC OXIDES TO 2200-DEG C
JPL-TR-32-297 N63-11308 03-19

HOMOGENEITY OF DIISOCYANATE-LINKED ELASTOMERS
JPL-TR-32-334 N63-11519 03-19

INTERPLANETARY MAGNETIC FIELDS - MARINER II OBSERVATIONS
N63-12082 05-32

EFFECT OF VACUUM ON MICROORGANISMS
JPL-TR-32-289 N63-12213 05-16

SPACE PROGRAMS SUMMARY NO. 37-18 - VOL 6, SEPT TO DEC 1962 - SPACE EXPLORATION PROGRAMS & SPACE SCIENCES
JPL-SPS-37-18, VOL. VI N63-12341 05-29

SPACECRAFT PROPULSION REQUIREMENTS FOR LUNAR LANDING MISSIONS
IAS-PAPER-63-76 N63-12897 07-27

PITCH DAMPING AT LARGE ANGLES OF OSCILLATION FOR PROPOSED MARS ATMOSPHERE-ENTRY VEHICLES - WIND TUNNEL TEST METHODS
IAS-PAPER-63-79 N63-12899 07-32

AUTOMATING SPACEFLIGHT TRAJECTORY DESIGN - COMPUTER METHODS FOR INCLUDING PHYSICAL AND MISSION CONSTRAINTS
IAS PAPER-63-85 N63-12901 07-29

INFLUENCE OF CORRELATIONS ON DIELECTRIC BEHAVIOR OF ELECTRON GAS - NONPERTURBATIVE APPROACH TO MANY-FERMION SYSTEM
JPL-TR-32-302 N63-12921 07-23

MEASURING ROCK AND SOIL STRENGTH PROPERTIES AT THE SURFACE OF THE MOON
JPL-TR-32-374 N63-12922 07-29

LABORATORY SPECTRA OF THE ULTRAVIOLET OXYGEN NIGHT AIRGLOW - ATOMIC OXYGEN EXCITATION MECHANISMS
N63-13014 07-12

CYLINDER AND SPHERE WAKES AT SUPERSONIC SPEED
JPL-TR-32-363 N63-13061 07-11

FREE OSCILLATIONS OF GRAVITATING SOLID SPHERE
JPL-TR-32-372 N63-13062 07-33

FLOW OF LOW VISCOSITY CONDUCTING FLUID IN A MAGNETIC FIELD
JPL-TR-32-351 N63-13080 07-11

LOW TEMPERATURE CELL FOR EXPERIMENTS ON INFRARED SPECTRA OF LIQUID AND SOLID CARBON MONOXIDE
JPL-TR-32-357 N63-13136 07-07

RELATIVE SIGNS OF NUCLEAR MAGNETIC RESONANCE SPIN-SPIN COUPLING CONSTANT IN STYRENE OXIDE BY DOUBLE RESONANCE
JPL-TR-32-310 N63-13275 07-07

SPACE PROGRAMS SUMMARY NO. 37-19 - VOL 3, NOV TO DEC 1962 - DSIF, MARINER II TELEMETRY DATA
JPL-SPS-37-19, VOL. III N63-13439 08-10

STERILIZATION OF UNMANNED PLANETARY AND LUNAR SPACE VEHICLES
JPL-TR-32-325 N63-13440 08-16

PAINTS AND SOLAR REFLECTORS AS TEMPERATURE CONTROL SURFACES FOR SPACECRAFT
JPL-TR-32-340 N63-13441 08-13

PYROLYTIC GRAPHITE DEFORMATION AND STRUCTURAL TRANSFORMATION
JPL-TR-32-360 N63-13442 08-19

PLANET ILLUMINANCE - RANGE AND PHASE ANGLE
JPL-TR-32-361 N63-13443 08-05

DETERMINATION OF WATER IN HYDRAZINE BY GAS CHROMATOGRAPHY
JPL-TR-32-362 N63-13444 08-07

MEASUREMENT OF STRAIN ENERGY FUNCTION W OF STRESS TENSOR EQUATION - NONLINEAR PHYSICAL PROPERTY
JPL-TR-32-365 N63-13445 08-33

LEAST SQUARE ANALYSIS OF GAMMA RAY PULSE HEIGHT SPECTRA
JPL-TR-32-373 N63-13446 08-23

RESONANCE TUBES IN SUPERSONIC FLOW FIELD
JPL-TR-32-378 N63-13447 08-02

VENUS ATMOSPHERE MODEL FOR PLANETARY ENTRY STUDIES
JPL-TR-32-379 N63-13448 08-29

PREFLIGHT ANALYSIS AND LUNAR PHOTOMETRIC MODEL - RANGER SPACECRAFT TV SYSTEM
JPL-TR-32-384 N63-13449 08-29

COMPLEX MAN-MACHINE SYSTEMS, LOGICAL AND MATHEMATICAL CONCEPTS RELATED TO JPL/NASA SPACE FLIGHT OPERATIONS COMPLEX
JPL-TR-32-390 N63-13450 08-20

PERSONNEL DECISION THEORY DEDUCED FROM HUMAN AS TRACKING OPERATOR
JPL-TR-32-391 N63-13451 08-14

KINETICS OF ALCOHOL REACTIONS WITH PARA-TOLYL, ALPHA-NAPHTHYL AND ORTHO-TOLYL ISOCYANATES CATALYZED BY FERRIC ACETYLACETONATE
JPL-TR-32-129 N63-13471 08-07

RADAR EXPLORATION OF VENUS - DERIVATION OF THE ASTRONOMICAL UNIT AND VENUS ROTATION REFLECTION
JPL-TR-32-280 N63-13484 08-06

SPACE PROGRAMS SUMMARY NO. 37-18 - VOL IV, OCT TO DEC 1962 - SPACE PROGRAMS, GUIDANCE, ENGINEERING, PROPULSION
JPL-SPS-37-18, VOL. IV N63-13485 08-01

EARTH-VENUS TRAJECTORIES, 1964 - VOL. 1, PART A
JPL-TM-33-99 N63-13486 08-29

SPACE PROGRAMS SUMMARY NO. 37-19 - VOL IV, DEC 1962 TO JAN 1963 - PROPULSION, TELECOMMUNICATIONS, INSTRUMENTS, MECHANICS, GUIDANCE
JPL-SPS-37-19, VOL. IV N63-13582 08-01

MECHANISM OF FLAME STABILITY IN BLUFF BODIES AT LOW SPEEDS
JPL-TR-32-183 N63-13595 08-26

MARINER II SPACECRAFT - TRAJECTORY, INJECTION, VENUS, TRACKING, AND MIDCOURSE CORRECTION
JPL-TR-32-395 N63-13596 08-29

MORPHOLOGY OF MICROSTRUCTURES IN METEORITES AND PREPARATION OF CARBONACEOUS CHONDRITES FOR MICROSCOPIC ANALYSIS - EXTRATERRESTRIAL LIFE
JPL-TR-32-398 N63-13597 08-29

SOIL SCIENCE IN SPACE EXPLORATION - SOIL STERILIZATION AS PART OF DECONTAMINATION PROGRAM FOR SPACE FLIGHT
JPL-TR-32-399 N63-13598 08-29

INTERPLANETARY SPACECRAFT, TRACKING TECHNIQUES
JPL-TR-32-284 N63-13623 08-08

GAMMA RADIATION DETECTION AND MEASUREMENT WITH EMPHASIS ON SPACE AND ASTRONAUTICAL APPLICATIONS - ABSTRACTS
JPL-AI/LS-205 N63-13704 08-15

THERMAL PROPERTIES OF SIMULATED LUNAR MATERIAL IN AIR AND IN VACUUM
JPL-TR-32-368 N63-13767 08-29

EFFECTS OF MOISTURE ON THE DYNAMIC MECHANICAL PROPERTIES OF AMMONIUM PERCHLORATE-POLYURETHANE PROPELLANTS
JPL-TR-32-389 N63-13768 08-26

STABILITY OF HETEROGENEOUS SHEAR LAYER IN MAGNETIC FIELD
JPL-TR-32-86 N63-13929 09-24

REACTION OF OXYGEN ATOMS IN THE /D/ STATE WITH NITROGEN
JPL-TR-32-288 N63-13930 09-07

JPL BIBLIOGRAPHY NO. 39-4, JULY 1962
JPL-BIBL-39-4/1/ N63-13931 09-01

INTEGRAL MOMENTUM EQUATION DETERMINES SKIN FRICTION & BOUNDARY LAYER THICKNESS FOR LAMINAR FLOW AT LEADING EDGE OF FLAT PLATE
N63-14071 09-11

ATOM CONCENTRATIONS PRODUCED BY MICROWAVE DISCHARGE IN NITROGEN AND HYDROGEN
N63-14085 09-23

DISCUSSION OF PLANE SHOCK WAVE STRUCTURE COMPUTATION OF SHOCK PROFILES AND APPLICATION OF NAVIER-STOKES SOLUTION N63-14099 09-11

MICROSTRUCTURES OF COMPLEX MORPHOLOGY OBSERVED IN PREPARATIONS OF CARBONACEOUS CHONDRITES MADE UNDER STERILE CONDITIONS N63-14203 09-29

EARTH-VENUS TRAJECTORIES - HELIOCENTRIC TRANSFER ELLIPSE AND LAUNCH PLANET-CENTERED ESCAPE TRAJECTORIES FOR 1964
JPL-TM-33-99, VOL. 1, PT. B N63-14292 10-29

NUCLEAR REACTOR FOR ELECTRIC PROPULSION APPLICATION
JPL-TR-32-385 N63-14413 10-27

SOLAR-CELL POWER SYSTEMS TESTING
JPL-TR-32-350 N63-14450 10-06

CALCULATION OF TURBULENT BOUNDARY LAYER GROWTH AND HEAT TRANSFER IN AXISYMMETRIC NOZZLES - DIGITAL COMPUTER PROGRAM
JPL-TR-32-387 N63-14465 10-11

MARINER /VENUS 62/ FLIGHT TELECOMMUNICATION SYSTEM FOR DATA TRANSMISSION AND TRAJECTORY DETERMINATION
JPL-TR-32-377 N63-14466 10-0[illegible]

ALGEBRA OF PERIODIC SEQUENCES WITH APPLICATION OF [illegible] DECOMPOSITION THEOREMS
JPL-TR-32-381 N63-14467 10-2[illegible]

HEATED-HYBRID GENERATED GAS PRESSURIZATION SYSTEM [illegible] FOR LIQUID PROPELLANT TRANSFER IN ROCKET VEHICLES [illegible]
JPL-TR-32-375 N63-14483 10-2[illegible]

ELECTRON TRANSFER REACTIONS AND FORMATION OF POLYRADICAL ANIONS
JPL-TR-32-393 N63-14585 10-0[illegible]

SPACE PROGRAMS SUMMARY NO. 37-20 - VOL 3, JAN TO FEB 1963 - DEEP SPACE INSTRUMENTATION FACILITY
JPL-SPS-37-20, VOL. III N63-14591 10-0[illegible]

MAGNETIC SUSCEPTIBILITY OF PYROLYTIC CARBONS
JPL-TR-32-165 N63-14666 10-2[illegible]

PHOTOGRAPHY OF THE MOON FROM SPACE PROBES
JPL-TR-32-347 N63-14677 10-2[illegible]

GUIDANCE OF SPACE VEHICLES - MIDCOURSE AND TERMINAL GUIDANCE N63-14715 10-2[illegible]

DESIGN PARAMETERS FOR BALLISTIC INTERPLANETARY TRAJECTORIES - MARS AND VENUS ONE-WAY TRANSFERS
JPL-TR-32-77 N63-14717 11-2[illegible]

PHASE ERROR BEHAVIOR OF PHASE-LOCKED LOOP TRACKING SYSTEM IN PRESENCE OF GAUSSIAN NOISE DETERMINED BY FOKKER-PLANCK EQUATION
JPL-TR-32-427 N63-14881 11-2[illegible]

SPACE PROGRAMS SUMMARY NO. 37-19 - VOL 6, NOV 1962 TO JAN 1963 - SPACE EXPLORATION PROGRAMS & SPACE SCIENCES - DSIF, RANGER, MARINER & VOYAGER PROJECT
JPL-SPS-37-19, VOL. VI N63-14902 11-2[illegible]

UTILIZATION OF LUNAR SURFACE RESOURCES - LUNAR PROGRAMS, HYDROPONICS, WATER AND OXYGEN SUPPLIES
N63-14984 11-2[illegible]

LUNAR BASE CONSTRUCTION N63-14988 11-2[illegible]

WATER CONTENT OF LUNAR SURFACE
N63-14990 11-2[illegible]

SIMPLIFIED MOMENTUM-INTEGRAL METHOD OF LAMINAR BOUNDARY LAYER ON DISK IN ROTATING FLOW
JPL-TR-32-366 N63-15031 11-11

CODING THEORY APPLICATIONS TO COMMUNICATIONS SYSTEMS - CODE CORRELATIONS, PSEUDORANDOM CODED RANGING SYSTEM, CODED PHASE-COHERENT COMMUNICATION
JPL-TR-32-67 N63-15061 11-08

STERILIZATION OF UNMANNED LUNAR AND PLANETARY SPACECRAFT AGAINST EARTH MICROBIAL ORGANISMS
JPL-TR-32-325/REV./ N63-15243 11-32

TUNABLE PHASE STABILIZED MICROWAVE OSCILLATOR
JPL-TR-32-392 N63-15277 12-08

ASYMPTOTIC THEORY OF CONTROL - STOCHASTIC AND DETERMINISTIC N-STAGE PROCESSES
JPL-TR-32-21 N63-15278 12-20

PERTURBATION OF HYPERBOLIC ORBIT BY OBLATE PLANET AND ESCAPE HYPERBOLA FROM EARTH
JPL-TR-32-131 N63-15281 12-29

NUMERICAL ANALYSIS OF MATRIX USING ITERATIVE SOLUTION FOR IMPROVING RESULT OBTAINED BY GAUSSIAN ELIMINATION
JPL-TR-32-394 N63-15317 12-20

FLUORINE-19-FLUORINE-19 AND HYDROGEN-1-FLUORINE-19 NUCLEAR MAGNETIC RESONANCE COUPLING CONSTANTS
JPL-TR-32-369 N63-15451 12-07

COMETARY MECHANISM FOR TEKTITE FORMATION
JPL-TR-32-356 N63-15452 12-05

LEAD ISOTOPES IN IRON METEORITES
JPL-TR-32-371 N63-15726 12-18

WO NONCONFLICTING CONVENTIONS DEFINED FOR LUNAR
ND PLANETARY REFERENCE COORDINATES - ASTRONOMICAL
ERSUS ASTRONAUTICAL MAPS AND CHARTS
PL-TM-33-72 N63-15915 13-29

RICTION MEASUREMENT ON LOW EARTH SATELLITE
PL-TR-32-402 N63-15931 13-32

PACE SCIENCE - SOLID PROPELLANT ROCKET CLUSTERS
OR SATELLITE CARRIER SYSTEMS
N63-15984 13-31

STRONAUTICS ABSTRACTS - EFFECTS OF STERILIZING
GENTS ON MICROORGANISMS
PLAI/LS-260, SUPPL. N63-16122 13-16

PACE MECHANISM DESIGNED FOR LIMITED PARALLEL
OTION
PL-TM-33-106 N63-16155 13-17

PACE PROGRAMS SUMMARY NO. 37-20 - VOL 4, FEB TO
AR 1963 - GUIDANCE, PROPULSION, TELECOMMUNICATION
PL-SPS-37-20, VOL. IV N63-16173 13-29

ARINER II SPACE PROBE - PRELIMINARY OBSERVATION
PL-TR-32-383 N63-16386 14-32

ARINER II SPACECRAFT AND VENUS PROBE - RADIATION
EASUREMENT
PL-TR-32-429 N63-16423 14-20

TRUCTURAL DYNAMIC STABILITY OF 6000-LB THRUST
IQUID-PROPELLANT ROCKET ENGINE - DIRECT TANK
OUNT
PL-TR-32-194 N63-16440 14-27

EARCH FOR WATER VAPOR AND TRACE ELEMENT IN VENUS
TMOSPHERE
PL-TR-32-256 N63-16441 14-29

OTION EQUATIONS FOR VIBRATION OF THIN RINGS
PL-TR-32-261 N63-16442 14-33

ONOPROPELLANT HYDRAZINE - HYDRAZINE-NITRATE
IXTURES
PL-TR-32-348 N63-16443 14-26

EOLOGICAL AND GEOPHYSICAL PROBLEMS CONCERNING THE
URFACE AND BODY OF MARS
PL-TR-32-400 N63-16444 14-29

AUNCHING PAD OPERATIONS FOR MISSILES -
TATISTICAL PROBABILITY AND PRELAUNCH PROBLEMS
PL-TR-32-431, PT. I N63-16445 14-30

UNAR PROGRAM OBJECTIVES, MISSIONS, ORGANIZATION,
ND SUPPORTING ACTIVITIES
PL-EPD-22 N63-16558 14-29

EEP SPACE INSTRUMENTATION FACILITY CAPABILITIES,
963 TO 1970, FOR SUPPORT OF APOLLO PROJECT -
PACECRAFT TRACKING AND COMMUNICATIONS
EPD-29, REV. 1 N63-16724 14-10

PACE PROGRAMS SUMMARY NO. 37-20 - VOL VI, JAN TO
AR 1963 - SPACE EXPLORATION PROGRAM & SPACE
CIENCES
PL-SPS-37-20, VOL. VI N63-17003 15-29

SYSTEMS CHECKOUT AND FLIGHT TESTING OF UNMANNED
UNAR AND PLANETARY SPACECRAFT
N63-17030 15-32

PPLICABILITY OF SOLID PROPELLANTS TO HIGH
ERFORMANCE LAUNCH VEHICLES
PL-TR-32-352 N63-17166 15-27

EARTH-MOON VERSUS PARKING-ORBIT TRAJECTORY FOR
UNAR SOFT-LANDING MISSION
PL-TM-33-114 N63-17214 15-29

SOLAR PLASMA DATA FROM MARINER II SPACE PROBE,
IME VARIATION, PLASMA DENSITY, ION TEMPERATURE
PL-TM-33-111 N63-17226 15-29

ELECTRIC PROPULSION REQUIREMENTS FOR PLANETARY AND
INTERPLANETARY SPACECRAFT N63-17258 15-27

SPACE COMMUNICATIONS - RADIO, LASERS, AND MASERS

JPL-TM-33-85 N63-17336 15-08

MARINER II DATA PROCESSING SYSTEM
N63-17521 16-08

NUCLEAR-ELECTRIC PROPULSION SPACE VEHICLE FOR HIGH
ENERGY SPACE MISSION N63-17706 16-32

COORDINATE TRANSFORMATION BETWEEN INERTIAL
REFERENCE SYSTEM AND NONINERTIAL ACCELERATION
SYSTEM - CLOCK PARADOX N63-17709 16-20

FLUX REVERSAL IN PERMALLOY FILM BY NEEL WALL
MOTION N63-17742 16-24

CONTROL OF ACCELERATION VECTOR OF POWERED FLIGHT
TRAJECTORY
AIAA PAPER-63-267 N63-17803 16-29

LUNAR SEISMOLOGY - INSTRUMENTATION AND VALUE
AIAA PAPER-63-255 N63-17806 16-29

ANTARCTIC TREATY AS A GUIDE TO AN OUTER SPACE
TREATY - INTERNATIONAL COOPERATION AND SPACE LAW
AIAA PAPER-63-285 N63-17812 16-01

POLYMERIC MATERIALS FOR SPACECRAFT APPLICATION
JPL-SR-353-1 N63-18032 16-19

LANGMUIR PROBE DATA OF CURRENT-VOLTAGE
CHARACTERISTICS INSIDE KAUFMAN-TYPE ION ENGINE -
PLASMA DISCHARGE
NASA-CR-50623 N63-18338 17-27

LUNAR GEOLOGY - STRATIGRAPHY, METEORITIC CRATERS
AIAA PAPER-63-254 N63-18343 17-05

ASYMPTOTIC PERFORMANCE CHARACTERISTICS FOR
COHERENT ADAPTIVE & NONCOHERENT MULTICHANNEL
RECEIVERS
NASA-CR-50655 N63-18387 17-08

EFFECT OF MAGNETIC FIELD ON TWO-DIMENSIONAL FLOWS
OF INCOMPRESSIBLE, ELECTRICALLY CONDUCTING FLUID
NASA-CR-50653 N63-18392 17-11

DETERMINATION OF FREE, TOROIDAL AND SPHEROIDAL
OSCILLATIONS OF GRAVITATING SOLID SPHERE -
MATHEMATICAL ANALYSIS ASSUMING RADIAL SYMMETRY
NASA-CR-50654 N63-18419 17-12

QUASISTATIC MAGNETIC PROPERTIES OF THIN PERMALLOY
FILM USING AUTOMATIC MAGNETIC TORQUE BALANCE
NASA-CR-50627 N63-18420 17-18

MULTICOIL INDUCTION MEASUREMENTS OF LUNAR SURFACE
AND SUBSURFACE MAGNETIC SUSCEPTIBILITY
NASA-CR-50578 N63-18422 17-29

HORN ANTENNA WITH SUPPRESSED SIDELOBES AND EQUAL
BEAMWIDTH - RADIATION CHARACTERISTICS OF DUAL-
MODE CONICAL HORN
NASA-CR-50625 N63-18485 17-03

DETERMINATION OF AERODYNAMIC HEATING RATES USING
CALORIMETRIC MODELS IN HYPERSONIC WIND TUNNEL
NASA-CR-50624 N63-18491 17-13

SUPERSONIC WIND TUNNEL TESTS OF SPHERE DRAG
JPL-TR-34-160 N63-18848 18-02

STEADY STATE HEAT TRANSFER MEASURING INSTRUMENT
NASA-CR-50626 N63-18868 18-02

DESIGN AND OPERATION OF SLINGSHOT SHOCK TESTING
MACHINE FOR SMALL SPECIMENS FOR ACCELERATIONS TO
40000-G AND IMPACT VELOCITIES TO 200-FPS
N63-18871 18-10

EFFECTS OF SPACE VACUUM ENVIRONMENT, METEOROIDS,
ELECTRONS, ELECTROMAGNETIC RADIATION AND IONS ON
METALS, PLASTICS, CERAMICS, OILS AND LUBRICANTS
N63-19109 18-29

DEEP SPACE INSTRUMENTATION FACILITY PRECISION
TRACKING AND DATA ACQUISITION SYSTEMS FOR SPACE
PROBES
NASA-CR-50763 N63-19201 18-08

EARTH-VENUS INTERPLANETARY TRAJECTORIES FOR 1964
NASA-CR-50641 N63-19202 18-29

EXPLODING WIRE PHENOMENON - MAXIMUM TEMPERATURE AND CURRENT PREDICTIONS
NASA-CR-50728 N63-19203 18-09

GEAR EQUIPMENT OF DEEP SPACE INSTRUMENTATION FACILITY ANTENNAS
NASA-CR-50574 N63-19204 18-17

OPTIMAL RANGING CODES - COMPONENT-CODED, BOOLEAN, AND MINIMUM ACQUISITION-TIME SYSTEMS
NASA-CR-50762 N63-19205 18-08

RING CURRENT - MEASUREMENTS MADE ON EARTH SATELLITES AND SPACE PROBES
NASA-CR-50760 N63-19293 18-28

INFLUENCE COEFFICIENTS FOR EDGE LOADING DEFORMATION OF TAPERED CYLINDERS
NASA-CR-50777 N63-19302 18-23

BIOCHEMICAL ANALYSIS OF MARS BY GAS CHROMATOGRAPHY
N63-19481 19-16

BIOCHEMICAL ANALYSIS OF MARTIAN SOIL BY VIDICON MICROSCOPY N63-19483 19-15

BIOCHEMICAL STERILIZATION OF SPACECRAFT TO PREVENT CONTAMINATION OF MOON N63-19484 19-16

IMPORTANCE OF MANNED LUNAR EXPLORATION FOR GEOLOGICAL & BIOCHEMICAL EXPERIMENTS
N63-19488 19-29

RANGER PROJECT
JPL-TR-32-141 N63-19535 19-32

RANGER VEHICLE IN LUNAR EXPLORATION
N63-19536 19-32

RANGER SPACECRAFT DESIGN N63-19537 19-32

EARLY RANGER INTERPLANETARY PLASMA EXPERIMENTS
N63-19538 19-32

DEEP SPACE INSTRUMENTATION FACILITY /DSIF/ IN RANGER PROJECT N63-19542 19-32

CORRELATING PERCENT SHEAR-LIP TO RELATIVE PLASTIC ZONE SIZE IN BRITTLE FRACTURE - THEORY AND PRACTICE
JPL-TR-32-112 N63-19782 19-33

MIDCOURSE TRAJECTORY-CORRECTION PROPULSION SYSTEM FOR RANGER LUNAR LANDING VEHICLE
NASA-CR-50727 N63-19783 19-27

SIMULTANEOUS MISSILE LAUNCHING - STATISTICAL ANALYSIS
NASA-CR-50764 N63-19784 19-10

STATISTICAL ANALYSIS OF MISSILE LAUNCHING
NASA-CR-50615 N63-19785 19-10

COLORIMETRIC DETERMINATION OF ORGANIC CONTENT OF SOILS FOR DETECTION OF EXTRATERRESTRIAL LIFE
NASA-CR-50778 N63-19786 19-16

SYNCOM I IGNITER SQUIB
NASA-CR-50779 N63-19787 19-26

CENTAUR/SURVEYOR DIRECT ASCENT LUNAR CONIC TRAJECTORIES, 1964-1967
NASA-CR-50730 N63-19940 19-29

POWER SUPPLY FOR MARINER SPACECRAFT-VENUS PROBE
NASA-CR-50724 N63-19950 19-06

PLANET VENUS - ATMOSPHERE, ROTATION INCLINATION, SURFACE, INTERNAL STRUCTURE, MAGNETIC FIELD FROM MARINER R 2 SPACE PROBE
NASA-CR-50873 N63-19961 19-29

UNMANNED SPACECRAFT GUIDANCE FROM EARTH BASED STATION - OPTIMAL CONTROL AND ORBIT CALCULATIONS
AIAA 63-399 N63-20134 20-09

FROBENIUS SERIES APPROACH TO DETERMINING FREE SPHEROIDAL OSCILLATIONS OF A GRAVITATING SPHERE WITH LIQUID CORE
JPL-TR-32-430 N63-20257 20-2

OPTIMIZATION OF SPACE VEHICLE THRUST PROGRAM WITH PRESPECIFIED THRUST DIRECTIONS - FLIGHT MECHANICS
AIAA PAPER 63-420 N63-20317 20-2

HANSEN SUSPENSION FOR MILLIPOUND THRUST MEASUREMENT
AIAA PAPER-63034-63 N63-20343 20-2

GUIDANCE POLICIES FOR MULTIPLE-IMPULSE CORRECTION OF SPACECRAFT TRAJECTORY
AIAA PAPER-63-334 N63-20491 20-2

INTERPLANETARY BALLISTIC TRAJECTORIES - REQUIREMENTS FOR DESIGN & SELECTION
AIAA PAPER-63-414 N63-20497 20-2

DERIVATION OF PHYSICAL CONSTANTS FROM RADIO TRACKING OF MARINER II - PLANETARY MASSES AND ASTRONOMICAL UNITS
AIAA PAPER-63-424 N63-20498 20-3

WAVE AND PULSE MODULATION FOR TRANSMITTING DATA OVER CHANNELS PERTURBED BY GAUSSIAN NOISE
JPL-TR-32-123 N63-20741 21-0

ATTITUDE CONTROL OF INTERPLANETARY SPACECRAFT BY SOLAR RADIATION PRESSURE
AIAA PAPER-63-327 N63-20756 21-3

SPACE SIMULATOR TEST OF MARINER SPACECRAFT AUTOPILOT SYSTEMS WITH ROCKET MOTOR FIRING
AIAA PAPER-63-343 N63-20758 21-2

TRAJECTORY OPTIMIZATION FOR LUNAR AND INTER-PLANETARY MISSIONS - RANGER PROJECT
AIAA PAPER-63-408 N63-20761 21-2

CAPABILITIES AND DEVELOPMENT SCHEDULE FOR DEEP SPACE INSTRUMENTATION FACILITY /DSIF/
NASA-CR-51028 N63-20963 21-0

SEQUENTIAL ESTIMATION OF CORRELATED STOCHASTIC VARIABLES AND APPLICATION TO DEEP SPACE ORBIT DETERMINATIONS
NASA-CR-50965 N63-21047 21-2

PLASMA COLUMN EXPANSION IN LONGITUDINAL MAGNETIC FIELD
NASA-CR-51021 N63-21054 21-2

INFINITE MASS OF INCOMPRESSIBLE FLUID PENETRATED BY MAGNETIC FIELD - MAGNETOHYDRODYNAMICS
NASA-CR-50960 N63-21060 21-2

DENSITY, VAPOR PRESSURE, VISCOSITY AND FREEZING POINT OF HYDRAZINE MONONITRATE IN HYDRAZINE
NASA-CR-50970 N63-21071 21-2

FORTRAN COMPUTER PROGRAM FOR GAS-LIQUID PARTITION CHROMATOGRAPHY DATA PROCESSING
NASA-CR-50996 N63-21119 21-1

SOLAR AND SPACE SIMULATOR FACILITY - MARINER 3 SPACECRAFT
NASA-CR-50997 N63-21120 21-1

FORTRAN SOURCE PROGRAM FOR REDUCTION OF GAS-LIQUID CHROMATOGRAPHY RETENTION DATA
NASA-CR-51006 N63-21123 21-1

UNIVERSITY RESEARCH ACTIVITIES AND IMPACT ON NATIONAL SPACE PROGRAM N63-21139 21-0

SPACECRAFT POWER SUPPLIES AND VOLTAGE REGULATORS
NASA-CR-51005 N63-21252 21-0

POWER REQUIREMENTS FOR NUCLEAR-ELECTRIC SPACECRAFT MISSIONS
NASA-CR-51018 N63-21253 21-2

EVALUATION OF CRITICAL PROPERTIES OF SELECTED ELECTRONIC PACKAGING MATERIALS UNDER HIGH VACUUM AND TEMPERATURE RANGE OF MINUS 40 TO 300-DEG F
NASA-CR-51244 N63-21313 21-1

FUSION PROPULSION SYSTEM REQUIREMENTS FOR AN INTERSTELLAR PROBE
NASA-CR-50964 N63-21324 21-27

LITHIUM-BOILING POTASSIUM REFRACTORY METAL LOOP FACILITY
NASA-CR-51236 N63-21325 21-10

MOON TO EARTH TRAJECTORIES
NASA-CR-50957 N63-21328 21-29

EARTH-VENUS TRAJECTORY - THREE DIMENSIONAL BALLISTIC INTERPLANETARY TRAJECTORIES
NASA-CR-50991 N63-21337 21-29

MACHINE COMPUTATION OF THREE-DIMENSIONAL BALLISTIC EARTH-VENUS TRAJECTORIES
NASA-CR-51010 N63-21338 21-29

EARTH-VENUS BALLISTIC INTERPLANETARY TRAJECTORIES-DEPARTURE DATES JUNE 29, 1967 TO AUGUST 7, 1967
NASA-CR-51329 N63-21339 21-29

NUCLEAR-ELECTRIC PROPULSION SYSTEM USING SATURN 1-B BOOSTER CHAIN FOR UNMANNED SPACE EXPLORATION OF SOLAR SYSTEM
NASA-CR-51015 N63-21348 21-32

SPACE PROGRAMS SUMMARY - DEEP SPACE INSTRUMENTATION FACILITY
NASA-CR-51009 N63-21350 21-08

NUMERICAL TECHNIQUES FOR SOLUTION OF COMPLETE BHATNAGAR-GROSS-KROOK KINETIC EQUATION FOR PLANE SHOCK WAVES
NASA-CR-51234 N63-21358 22-11

WAVE DIFFRACTIONS FROM TRUNCATED ROTATING SURFACES AND KIRCHOFF OPTICAL THEORY
NASA-CR-50998 N63-21359 22-11

GAS CHROMATOGRAPH FOR SURVEYOR LUNAR PROJECT - SPECIFICATIONS AND OPERATION
NASA-CR-51007 N63-21361 22-26

BIBLIOGRAPHY OF ASTRONAUTICS INFORMATION - ENGINEERING EQUIPMENT AND PROCESSES ADAPTABLE TO LUNAR AND PLANETARY EXPLORATION
NASA-CR-50966 N63-21479 22-29

ELECTRICAL CHARACTERISTICS OF ATMOSPHERE AND SURFACE OF VENUS FROM RADAR OBSERVATION
JPL-TR-32-423 N63-21480 22-29

RADIATION PRECAUTIONS IN DEEP SPACE INSTRUMENTATION FACILITIES - RADIATION EFFECTS, CHECKS & PRECAUTIONS
NASA-CR-51275 N63-21481 22-28

MARINER II VENUS MISSION - PREPARATION, ATLAS-AGENA LAUNCH VEHICLE, SPACECRAFT FLIGHT, TRACKING, AND SCIENTIFIC EXPERIMENTS N63-21488 22-32

GAS DYNAMICS - STRUCTURE OF STRONG SHOCK WAVES IN KROOK COLLISION EQUATION N63-21571 22-24

RAREFIED GAS DYNAMICS - FLOW REGIME BETWEEN CONTINUUM FLOW AND FREE MOLECULAR FLOW
N63-21602 22-11

TOPOLOGY OF THE MOON SURFACE N63-21620 22-29

UTILIZATION OF LUNAR RESOURCES
NASA-CR-51008 N63-21643 22-29

EARTH - VENUS TRAJECTORIES
NASA-CR-51225 N63-21647 22-32

CHLORINE TRIFLUORIDE-HYDRAZINE LIQUID PROPELLANT AND ROCKET MOTOR DEVELOPMENT
NASA-CR-51004 N63-21722 22-26

EXACT SOLUTION OF AXISYMMETRICAL BENDING EQUATIONS FOR THIN, SPHERICAL SHELLS EXPRESSED AS POWER SERIES
NASA-CR-51259 N63-21730 22-23

HETEROGENEOUS REACTOR THEORY USING TWO-GROUP MODEL AND EXTENSION TO SECONDARY EFFECTS
NASA-CR-51308 N63-21732 22-23

STATIC BEARING CAPACITY OF SIMULATED LUNAR SURFACES IN VACUUM
NASA-CR-51318 N63-21733 22-17

FORTRAN PROGRAM FOR STIFF MATRIX STRUCTURAL DESIGN
NASA-CR-51414 N63-21846 22-33

TENSILE TESTING MACHINE FOR HIGH TEMPERATURES IN VACUUM
JPL-TR-32-358 N63-21856 22-33

SPACE PROGRAMS SUMMARY - SPACE EXPLORATION PROGRAMS AND SPACE SCIENCES
NASA-CR-51232 N63-21902 22-32

PAYLOAD CAPABILITIES OF VEHICLE CONTAINING LOW-THRUST POWER-LIMITED PROPULSION SYSTEM FOR EARTH-TO-MARS ROUNDTRIP MISSION
NASA-CR-51014 N63-21903 22-32

ULTRAHIGH SPEED LOW-COST PRINTER SYSTEM
NASA-CR-51310 N63-21904 22-08

SPACE ENVIRONMENTS - SOLAR COSMIC RADIATION AND SOLAR PLASMAS - PARTICLE DENSITY AND DISTRIBUTION
NASA-CR-51405 N63-21976 22-28

MACHINE COMPUTATIONS OF THREE-DIMENSIONAL BALLISTIC INTERPLANETARY TRAJECTORY - EARTH-VENUS TRAJECTORIES
NASA-CR-51227 N63-21980 22-29

SPACE PROGRAMS SUMMARY - SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT
NASA-CR-51559 N63-21985 22-01

TECHNIQUE FOR OPTIMUM FINAL VALUE CONTROL OF POWERED FLIGHT TRAJECTORIES
NASA-CR-51563 N63-21986 22-22

SPACE PROGRAMS SUMMARY - SPACE EXPLORATION PROGRAMS AND SPACE SCIENCES
NASA-CR-51577 N63-21988 22-32

CONVERSION FACTORS FOR CALCULATION OF GAMMA RAY FIELD STRENGTH - FLUX TO DOSE RATE
NASA-CR-50761 N63-21994 22-34

METEOROID FLUX - NATURE AND DISTRIBUTION OF & MICROMETEOROID MODEL FOR METEOROID HAZARD STUDY
AIAA PAPER-63059-63 N63-22037 22-29

TABLE INTEGRALS INVOLVING POWERS, EXPONENTIALS, LOGARITHMS AND THE EXPONENTIAL INTEGRAL
NASA-CR-51319 N63-22141 22-20

ATMOSPHERIC ENTRY INTO MARS - EFFECT OF VEHICLE SHAPE ON REQUIREMENTS FOR MEASURING PITCH DAMPING AND HIGH AMPLITUDE OSCILLATION
NASA-CR-51421 N63-22157 22-29

MARINER SPACECRAFT PACKAGING - SUBASSEMBLY, CABLE ASSEMBLY, FLEXIBILITY OF LOCATION, & INTEGRATION OF ASSEMBLIES
NASA-CR-51422 N63-22165 23-32

MARINER II SOLAR PANEL ELECTRICAL POWER SUPPLY
NASA-CR-51514 N63-22166 23-06

HYPERSONIC WIND TUNNEL TEST OF MODEL X-15 AIRCRAFT
NASA-CR-50971 N63-22171 23-04

ORGANIC MATERIAL PRESENT IN CARBONACEOUS CHONDRITES
JPL-TR-32-436 N63-22509 23-19

SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT FOR SPACE PROGRAM
NASA-CR-51783 N63-22581 23-30

BIBLIOGRAPHY OF STRUCTURAL MODELING FOR AEROELASTIC TESTS
NASA-CR-51762 N63-22582 23-33

DUAL-CAVITY RUBY MASER USED IN MARS RADAR EXPERIMENT

NASA-CR-52020 N63-22877 23-08

NUMERICAL AND ASYMPTOTIC SOLUTION FOR A GIVEN INTEGRAL EQUATION - FUNCTIONAL CALCULUS
NASA-CR-52018 N63-22878 23-20

ERROR PROBABILITIES FOR RICIAN FADING MULTICHANNEL RECEPTION OF BINARY AND N-ARY SIGNALS
NASA-CR-51853 N63-22895 23-08

WIND TUNNEL FACILITIES - NOZZLE CALIBRATION, MODEL SUSPENSION SYSTEM AND TEST INSTRUMENTATION
NASA-CR-51851 N63-23012 24-10

CLASSICAL METHODS OF ORBIT DETERMINATION
NASA-CR-52021 N63-23021 24-05

EARTH-VENUS INTERPLANETARY TRAJECTORIES
NASA-CR-51681 N63-23029 24-32

ADHESIVES, PROTECTIVE COATINGS, POTTING COMPOUNDS FOR ELECTRONIC PACKAGING
NASA-CR-51587 N63-23042 24-09

CORRELATION PROPERTIES OF CYCLIC SEQUENCES - AUTOCORRELATION FOR CYCLIC-SEQUENCE CODE & BOOLEAN FUNCTION COMBINED SEQUENCES FOR LIMITED RECEIVER
NASA-CR-51586 N63-23043 24-23

THRUST VECTOR CONTROL BY VOLATILE LIQUID INJECTION INTO ROCKET NOZZLE - BLUNT BODY SHOCK WAVES AND DRAG COEFFICIENT FROM VAPORIZED JET
NASA-CR-51013 N63-23046 24-26

DETECTION OF WATER VAPOR ON HIGH DISPERSION, NEAR-INFRARED SPECTROGRAM OF MARS
JPL-TR-32-454 N63-23048 24-29

LOW-DENSITY SPHERE DRAG WITH EQUILIBRIUM AND NONEQUILIBRIUM WALL TEMPERATURES AT SUPERSONIC SPEEDS
NASA-CR-52015 N63-23050 24-02

IRRATIONALITY OF THE SUM OF RECIPROCALS OF FERMAT NUMBERS AND OTHER FUNCTIONS N63-23055 24-20

HIGH ORDER PERTURBATION THEORY USING RECTANGULAR COORDINATES - MATHEMATICAL ANALYSIS
AIAA PAPER-63-391 N63-23065 24-23

ONE-ELECTRON, TWO-CENTER INTEGRALS ARISING IN ELECTROMAGNETIC INTERACTIONS EVALUATED BY FOURIER CONVOLUTION THEOREM - SPHERICAL HARMONICS
JPL-TR-32-409 N63-23352 24-23

PHOTOLYSIS OF NITROGEN DIOXIDE IN VIOLET AND ULTRAVIOLET SPECTRUM
NASA-CR-52016 N63-23619 24-07

BOUNDARY LAYER THICKNESS ON CURVED WALLS OF 20-IN SUPERSONIC WIND TUNNEL TWO-DIMENSIONAL NOZZLE
NASA-CR-52252 N63-23654 24-10

FORMULAS FOR ORBIT DETERMINATION OF SPACE VEHICLES
NASA-CR-52270 N63-23805 24-29

MARS ATMOSPHERE ENTRY STUDY
NASA-CR-52271 N63-23806 24-29

SPACECRAFT DESIGN HAVING FOUR SOLAR PANELS OF WHICH TWO ADJACENT HINGES HAVE SKEW AXES IN FIXED COORDINATE SYSTEM
NASA-CR-52249 N63-23820 24-34

J. G. ENGINEERING RESEARCH ASSOCIATES, BALTIMORE, MD.
PLASTIC BEHAVIOR OF CONTROL SURFACES AND PLATES SUBJECTED TO AIR BLAST LOADING - ANALYSIS AND RESULTS FOR BEAM TYPE STRUCTURES
N63-14369 10-33

JOHANN WOLFGANG GOETHE U., FRANKFURT AM MAIN /W. GERMANY/.
CHEMICAL ANALYSES OF GLACIER ICE & TROPOSPHERIC WASHOUT TO DETERMINE CHEMICAL TRACE CONCENTRATION
AFCRL-63-404, PT. I&II N63-14540 10-12

CHEMICAL ANALYSES TO DETERMINE THE CONCENTRATION OF CHEMICAL TRACES IN GLACIER-ICE
N63-14541 10-12

TROPOSPHERIC WASHOUT - CONCENTRATION OF CHEMICAL TRACES PRECIPITATION
AFCRL-63-404 N63-14542 10-12

JOHN B. PIERCE FOUNDATION OF CONNECTICUT, NEW HAVEN.
HYPOTHALAMIC TEMPERATURES IN DOGS AND MONKEYS AND THERMOREGULATORY RESPONSES TO ENVIRONMENTAL FACTORS
AMRL-TDR-63-5 N63-15646 12-16

JOHNS HOPKINS U., BALTIMORE, MD.
NONLINEAR FILTER FOR IMPROVEMENT OF SIGNAL DETECTABILITY IN THE PRESENCE OF NON-GAUSSIAN NOISE
AF-98 N63-10284 01-15

MICROSTRUCTURE OF A HYDROGEN-BROMINE FLAME
N63-10730 02-26

SWIRLING JET GENERATOR AND THE DEVELOPMENT OF INITIAL SWIRL DISTRIBUTION - VORTEX
AFOSR-2552 N63-11429 03-11

HYDROGEN-AIR KINETIC CALCULATIONS IN SUPERSONIC FLOW
CM-1028 N63-13035 07-26

HIGH ENERGY PHYSICS STUDY OF NUCLEAR PARTICLES BY PHOTOGRAPHIC NUCLEAR EMULSION AND HELIUM BUBBLE CHAMBER
AFOSR-2661 N63-13140 07-23

ATMOSPHERIC MECHANICS - PRECIPITATION AND MOISTURE FLUX, LARGE-SCALE SPECTRA, MEAN WIND STABILITY, SHEAR FLOW, AND QUASI-LAGRANGIAN FLOW COORDINATES
AFCRL-63-209 N63-13286 07-12

PARAMAGNETIC RELAXATION FOR GROUND STATE - KRAMERS DOUBLET OF IRON IN DILUTE POTASSIUM FERRICYANIDE
AF-99 N63-13422 08-25

AMPLITUDES OF NARROW BAND SIGNAL OBSERVED IN NORMAL NOISE BACKGROUND
AF-100 N63-13423 08-08

CROSS RELAXATION IN NON-ZEEMAN SPIN SYSTEMS AND UTILIZATION IN PARAMAGNETIC MICROWAVE MASERS
AF-101 N63-14339 10-23

DIGITAL TECHNIQUES FOR STUDYING THE ZERO-CROSSING INTERVALS OF RANDOM PROCESSES - PROBABILITY DENSITY
AF-102 N63-14660 10-09

DEVICE FOR DIRECTLY MEASURING STRAIN GRADIENT IN METALS SUBJECTED TO HYPERVELOCITY PENETRATION
N63-16356 14-18

DETECTION OF UNKNOWN WAVEFORM SIGNALS IN GAUSSIAN NOISE BY ADAPTIVE FILTERS
AF-103 N63-16514 14-08

FORMATION OF GERMANIUM POINT-CONTACT TUNNEL DIODES
AF-104 N63-16515 14-09

SIGNAL ANALYSIS USING ORTHOGONAL FUNCTIONS
RADC-TDR-63-142 N63-16789 14-08

DISCRETE, FINITE REPRESENTATION OF LINEAR, STATIONARY SYSTEM - MATHEMATICS
RADC-TDR-63-124 N63-16919 14-08

WAVE FUNCTIONS, ENERGY LEVELS, AND REDUCED MATRIX ELEMENTS IN INTERMEDIATE COUPLING
AF-105 N63-17609 16-25

DYNAMIC AND KINETIC ENERGY BALANCE IN HYPERVELOCITY PENETRATION - CRATERING
N63-18284 17-33

DETECTION OF STOCHASTIC PROCESSES IN NON-GAUSSIAN NOISE
RADC-TDR-63-192 N63-18647 17-08

INFRARED RADIATION IN THE ATMOSPHERE AS A FUNCTION

OF ALTITUDE
AFCRL-63-495 N63-18799 18-12

EFFECT OF METAL PROPERTIES ON HYPERVELOCITY PENETRATION - CRATER VOLUME AND STRAIN GRADIENT, NOMOGRAPHS FOR ENERGY BALANCES
N63-18813 18-18

CLUSTER-EXPANSION CORRECTIONS TO THE DEBYE-HUCKEL PAIR-CORRELATION FUNCTION FOR IONIZED GAS
N63-19072 18-24

SIGNAL ANALYSIS AND REPRESENTATION - PURE SYSTEM DESIGN USING DIRAC NOTATION OF LINEAR SYSTEM THEORY CONCEPTS
AFCRL-62-909 N63-19200 18-09

BINARY SEQUENTIAL DETECTION OF SIGNALS IN NOISE
RADC-TDR-63-179 N63-21227 21-08

REACTION OF FINE METAL WIRES TO IMPOSED LOADS
N63-22373 23-18

SPACE ENVIRONMENT EFFECTS ON ELECTRICAL PROPERTIES OF DIELECTRICS N63-22690 23-29

CALCIUM, IRON, AND VITAMIN B12 ABSORPTION DURING ENVIRONMENTAL TEMPERATURE ALTERATIONS
AAL-TN-62-10 N63-22719 23-16

RUGGED HOT-WIRE ANEMOMETER USING CONSTANT TEMPERATURE PRINCIPLE
JHU-22-P N63-22753 23-09

ABSORPTION SPECTRUM OF GASEOUS AMMONIA PRESSURIZED WITH NITROGEN N63-22967 23-23

DIELECTRICS FOR SATELLITES & SPACE VEHICLES - EFFECT OF SIMULATED SPACE ENVIRONMENT ON ELECTRIC PROPERTIES OF SOLID DIELECTRIC MATERIALS
N63-23114 24-25

TRANSPORT OF RADIONUCLIDES IN FRESH WATER SYSTEM
TID-7664 N63-23783 24-23

JOHNS HOPKINS U., SILVER SPRING, MD.
COMPUTER PROGRAM NOMENCLATURE STANDARDIZATION
CPIA PUBL. 28 N63-22358 23-26

JOHNS-MANVILLE RESEARCH CENTER, MANVILLE, N.J.
THERMAL PERFORMANCE OF RIGID INSULATIONS AT CRYOGENIC TEMPERATURES N63-16061 13-13

JOHNSON SERVICE CO., MILWAUKEE, WIS.
PROPORTIONAL POWER STAGES FOR IMPEDANCE MATCHING FLUID AMPLIFIER OF THREE DIMENSIONAL TYPE
N63-13404 08-11

JOINT PARACHUTE TEST FACILITY, EL CENTRO, CALIF.
PARACHUTE TEST FACILITY - DESCRIPTION & OPERATION
FIC-TIR-63-2001 N63-17693 16-10

JOINT PUBLICATIONS RESEARCH SERVICE, NEW YORK, N.Y.
AIR TEMPERATURE MEASUREMENT - THERMODYNAMIC DETERMINATIONS
RSIC-31 N63-19755 19-21

DIURNAL VARIATIONS IN ATMOSPHERIC PRESSURE & CHANGES IN AIR TEMPERATURE
RSIC-39 N63-19796 19-21

JOINT PUBLICATIONS RESEARCH SERVICE, WASHINGTON, D.C.
SOVIET PATENTS ON ACOUSTICAL AND MAGNETIC MEASURING INSTRUMENTS
JPRS-16134 N63-10077 01-15

SOVIET SPACE EXPLORATION
JPRS-16187 N63-10320 01-32

MEDICO-BIOLOGICAL CONTROL IN COSMIC FLIGHT
JPRS-16205 N63-10363 01-16

IMPROVEMENTS IN THE GAK-2M GRAVIMETER
JPRS-16197 N63-10364 01-15

CYBERNETICS AND THEORY OF CONTROL SYSTEMS
JPRS-16239 N63-10365 01-20

SOVIET BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE SCIENCES /NO. 48/ 1962
JPRS-16455 N63-10526 01-01

COMPUTER ENGINEERING AND MATHEMATICS
JPRS-16490 N63-10538 01-20

THE INFLUENCE OF TURBULENT SCATTERING ON THE PROPAGATION OF A POLYDISPERSED ADMIXTURE
JPRS-16492 N63-10539 01-12

BERYLLIUM - TOXICOLOGY, LABOR HYGIENE, SAFETY
JPRS-16496 N63-10540 01-16

DIURNAL PATTERN OF PROBABILITY ZONES OF INCREASED TURBULENCE AT HIGH ALTITUDES
JPRS-16458 N63-10565 01-12

AUTOMATION OF PRODUCTION METHODS BY USE OF COMPUTERS
JPRS-16410 N63-10576 02-17

ADSORPTION - NONUNIFORMITY OF SURFACE & ADSORBATE-ADSORBATE INTERACTION USING GRAPHITIZED CARBON BLACK
JPRS-16405 N63-10577 02-07

PHYSICO-CHEMICAL INVESTIGATION OF SILICON AND BORON CARBIDES SECTION OF THE SILICON-BORON-CARBON SYSTEM
JPRS-16409 N63-10578 02-07

POWDER METALLURGY - SOVIET STUDIES
JPRS-16269 N63-10579 02-18

A PROBABILITY PROBLEM OF OPTIMAL CONTROL
JPRS-16124 N63-10582 02-20

DEVICE FOR DETERMINING MICROORGANISMS IN AIR
JPRS-16407 N63-10583 02-16

USSR SPACE FLIGHTS - MEDICAL AND BIOLOGICAL ASPECTS
JPRS-16227 N63-10621 02-16

REFRACTORY MATERIAL BASED ON BORON NITRIDE
JPRS-16158 N63-10622 02-19

SPECIFIC AREA OF POWDERS USED IN HARD ALLOYS, TESTING METHOD, NITROGEN ADSORPTION
JPRS-16167 N63-10623 02-18

CYBERNETICS AND CONTROL THEORY
JPRS-16303 N63-10631 02-20

CALCULATION OF AIRCRAFT POSITION - ACCIDENTAL ERROR DETERMINED BY AVERAGE QUADRATIC DEVIATION OF THE ERROR
JPRS-16338 N63-10632 02-22

STABILIZATION - COMPUTER PROGRAMMING - CYBERNETICS - AUTOMATION
JPRS-16446 N63-10638 02-20

DEVELOPMENTS IN METEOROLOGY
JPRS-16379 N63-10639 02-21

MICROBES AND THE COSMOS - VIABILITY OF INDIVIDUAL CELLS OF A MULTICELLULAR ORGANISM
JPRS-16402 N63-10640 02-29

IMAGE UNSCREENING FOR OPTIMAL VISUAL INFORMATION
JPRS-16539 N63-10660 02-21

METEOROLOGY AND HYDROLOGY
JPRS-16557 N63-10661 02-21

METEOROLOGY AND HYDROLOGY
JPRS-16348 N63-10681 02-21

RADAR OBSERVATIONS OF VENUS
JPRS-16728 N63-10973 02-05

CONFERENCE OF SIBERIAN TOPOGRAPHERS
JPRS-16729 N63-10974 02-12

GEOPHYSICS - CLOUDS, WIND, HAIL - CRYSTALLIZATION

OF SUPERCOOLED WATER BY SILVER IODIDE
JPRS-16711 N63-10975 02-21

ALGORITHM FOR SOLVING SYSTEMS OF NORMAL EQUATIONS BY MEANS OF MULTIGROUP METHOD ON AN ELECTRONIC COMPUTER
JPRS-16566 N63-10976 02-20

HIGH STRENGTH OF METALLIC WHISKERS, FRACTURE THEORY
JPRS-16567 N63-10977 02-18

MAGNETOHYDRODYNAMIC EDDIES & PLASMAJETS AS ACCELERATORS FOR SOLAR PARTICLES
JPRS-16590 N63-10978 02-29

AEROMAGNETIC AND MARINE EXPLORATION
JPRS-16568 N63-10979 02-21

BIOTELEMETRY FOR SPACE FLIGHTS
JPRS-16600 N63-10980 02-08

ATLAS OF DIURNAL AMPLITUDES OF AIR TEMPERATURE IN USSR
JPRS-16667 N63-10981 02-21

SPACE BIOLOGY, SPACE ENVIRONMENT, ASTRONAUT TRAINING
JPRS-16677 N63-10982 02-16

THEORY OF COMPACTING METAL POWDERS - POWDER METALLURGY, ELASTICITY, SINTERING
JPRS-16573 N63-10983 02-18

CHROMIUM MICROSTRUCTURAL DISLOCATIONS RELATED TO BRITTLENESS
JPRS-16591 N63-10984 02-18

NEUROCYBERNETICS - RUSSIAN TRANSLATION
JPRS-16638 N63-10985 02-16

SOVIET RULE IN SPACE EXPLORATION, VOSTOK III AND IV - SPACE FOOD
JPRS-16718 N63-10992 02-01

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE SCIENCES /NO. 29/ 1962
JPRS-12445 N63-11013 03-01

SOVIET AEROLOGICAL STUDIES
JPRS-16691 N63-11181 03-12

RADAR INTERFERENCE AND PROTECTION AGAINST IT
JPRS-16690 N63-11184 03-08

DEVELOPMENT OF A NEGATIVE SPARK AND ITS COMPARISON TO LIGHTNING
JPRS-16722 N63-11185 03-23

OPTICS OF MILLIMETER WAVES AND RADIO ASTRONOMY
JPRS-16686 N63-11186 03-23

NOTES ON THE COSMIC SPACE SYMPOSIUM, 1962
JPRS-16749 N63-11188 03-12

PROBABILITY, FORMULATION, ECONOMIC PROBLEMS
JPRS-16738 N63-11202 03-20

SPACE FLIGHTS AND BIOLOGY IN OUTER SPACE - SOVIET REPORT
JPRS-16776 N63-11203 03-16

CALCULATING METHODS FOR DATA PROCESSING
JPRS-16783 N63-11204 03-20

SOVIET STUDIES IN RADIO ASTRONOMY
JPRS-16786 N63-11205 03-05

STRUCTURE AND PROPERTIES OF PROTECTIVE COATINGS - HIGH TEMPERATURE OXIDATION
JPRS-16788 N63-11206 03-19

CERAMICS AND REFRACTORY MATERIALS - BERYLLIUM OXIDE AND SILICON NITRIDE
JPRS-16807 N63-11207 03-18

EXTREMAL CONTROL SYSTEMS - SOVIET STUDIES
JPRS-16837 N63-11283 03-20

NONFERROUS METALS - DEFORMATION STRUCTURE OF NIOBIUM, SILUMIN, TITANIUM
JPRS-16855 N63-11337 03-18

SINTERING NIOBIUM POWDER
JPRS-16841 N63-11338 03-18

COMPENSATION FOR IMAGE DISPLACEMENT IN PANORAMIC AERIAL PHOTOGRAPHY BY A ROTATING MIRROR ASSEMBLY CAMERA ATTACHMENT
JPRS-16853 N63-11463 03-23

ANALOGY OF CHARACTERISTICS OF REPRODUCTION IN TELEVISION AND PHOTOGRAPHY
JPRS-16930 N63-11464 03-23

COMPLETE CONFOUNDING OF INTERACTIONS WITH SUB-BLOCKS IN FACTORIAL EXPERIMENTS - MATHEMATICAL STATISTICS
JPRS-16992 N63-11497 03-20

RADIO ENGINEERING - EDUCATION
JPRS-16211 N63-11520 03-09

POWDER METAL AND SILICON-CARBIDE BASE MATERIALS
JPRS-16854 N63-11521 03-18

SOVIET PAPERS ON METEOROLOGY AND HYDROLOGY
JPRS-16905 N63-11522 03-21

SOVIET PAPERS ON RADIOPHYSICS
JPRS-15517 N63-11523 03-05

SPECTRUM OF RADIO EMISSION FROM DISCRETE SOURCE CASSIOPIA-A LOW FREQUENCIES N63-11524 03-05

ELECTRON DISTRIBUTION OVER THE RADIUS OF A METEOR TRAIL N63-11525 03-05

LOGICAL UNITS IN METEORIC RADAR - PULSES, SIGNAL LIFETIME, AND NOISE N63-11526 03-08

DEVIATION FROM STRUCTURAL REGULARITY OF MAGNETIC FIELD IN OUTER SOLAR CORONA N63-11527 03-05

PLASMA CLOUD IN MOTION AS RADIO EMITTING SATELLITE OF THE SUN N63-11528 03-05

RADIO EMISSION OF SUN ON A 1.8-MM WAVELENGTH N63-11529 03-05

SOVIET PAPERS ON ELECTRON DENSITY OF IONOSPHERE AND RADIO EMISSIONS FROM THE MOON
JPRS-15740 N63-11530 03-05

MEASURING THE ELECTRON CONCENTRATION IN UPPER IONOSPHERE AND INTERPLANETARY SPACE BY PLASMA WAVE RADIATION N63-11531 03-12

INTERACTION OF RADIO WAVES IN THE IONOSPHERE N63-11532 03-12

EFFECT OF INTERNAL FLOW OF HEAT OF MOON ON ITS RADIO EMISSION N63-11533 03-05

PRECISION MEASUREMENT OF RADIO EMISSION FROM THE MOON ON 9.6-CM WAVELENGTH N63-11534 03-05

OBTAINING A COMPLEX ALGORITHM BY COMBINING SIMPLE ALGORITHMS
JPRS-17001 N63-11541 03-20

ANIMAL STUDIES - AUTOMATIC PROGRAMMING DEVICE FOR STUDY OF DEFENSIVE CONDITIONED REFLEXES
JPRS-16994 N63-11542 03-16

RADIATION HAZARDS - PROTECTION, BIOLOGICAL EFFECTS AND SHIELDING
JPRS-16995 N63-11543 03-16

RADIO ASTRONOMY - RADIO TELESCOPE, RADIO EMISSION, RADIO INTERFEROMETER
JPRS-16917 N63-11545 04-05

RADIO ASTRONOMICAL METHOD FOR CALIBRATION OF SMALL ANTENNAS AT CENTIMETER WAVELENGTH N63-11546 04-05

APPROXIMATE METHOD FOR ELIMINATION OF SYSTEMATIC

ERROR CAUSED BY RADIO TELESCOPES IN CELESTIAL OBSERVATIONS N63-11547 04-05

COORDINATE CONVERTER FOR TRACKING SYSTEM OF RADIO TELESCOPE USING DIGITAL INTEGRATOR N63-11548 04-05

TRIPARTITE RADIO INTERFEROMETER FOR OBSERVING ECLIPSE OF CRAB NEBULA BY SUPERCORONA OF THE SUN N63-11549 04-05

TIME CONSTANT FOR RADIO INTERFEROMETER N63-11550 04-05

RADIO EMISSION OF MOON ON 3.2 WAVELENGTH N63-11551 04-05

CELESTIAL OBSERVATIONS WITH PULKOVO RADIO TELESCOPE ON 33-CM WAVELENGTH N63-11552 04-05

OBSERVATION OF SOLAR ECLIPSE OF 15 FEBRUARY 1961 IN WAVELENGTHS 3.2 AND 1.6-CM N63-11553 04-05

INTENSITY OF RADIO EMISSION FROM SPACE USING RADIO TELESCOPE N63-11554 04-05

CHANGE OF ADRENALIN, ACETYLCHOLINE, HISTAMINE, AND SEROTONIN IN RATS SUBJECTED TO RADIAL ACCELERATION JPRS-16956 N63-11561 04-16

MAN-MACHINE SYSTEM EFFICIENCY - PSYCHOLOGY - NERVOUS SYSTEM - AUTOMATION JPRS-16404 N63-11593 04-14

EFFICIENCY OF AN OPERATORS WORK IN AUTOMATIC MAN-MACHINE SYSTEM N63-11594 04-14

PSYCHOLOGICAL MANIFESTATIONS OF HUMAN NERVOUS SYSTEM UNDER WORK CONDITIONS N63-11595 04-14

MAN-MACHINE SYSTEMS ANALYSIS AND SIMULATION N63-11596 04-14

STAINLESS STEELS WITH REDUCED NICKEL CONTENT AND PROSPECTS OF ELECTROSLAG REMELTING JPRS-17016 N63-11605 04-18

SOVIET REPORT ON FERRITE CORES, MAGNETIC CORES, REGISTERS, MEMORY DEVICES, AND STORAGE DEVICES JPRS-14224 N63-11676 04-23

HARDNESS OF TITANIUM-BASE & CHROMIUM-CARBIDE-BASE CERMETS AT NORMAL AND ELEVATED TEMPERATURES JPRS-17040 N63-11682 04-18

SPECTRAL SENSITIVITY OF RETINA RECEIVERS IN TRICHROMATS JPRS-17054 N63-11683 04-16

SOUND AND BODY CHARACTERISTICS OF DOLPHINS - APPLICATIONS TO BIONICS JPRS-17079 N63-11684 04-16

THEORY OF ANALYTICAL DESIGN OF REGULATORS JPRS-14623 N63-11698 04-20

PREVENTION MEASURES FOR RADIATION SAFETY JPRS-14449 N63-11716 04-16

NEW DEVELOPMENTS IN PHYSIOLOGY AND THEIR RELATION TO CYBERNETICS JPRS-17117 N63-11776 04-16

ALGORITHM FOR ORGANIZATION OF INFORMATION - STORAGE AND RETRIEVAL JPRS-17137 N63-11777 04-20

EFFECT OF STRONTIUM-90 IN THE OSSEOUS SYSTEM OF DOGS JPRS-17161 N63-11778 04-16

CYBERNETICS - CONTROL SYSTEM, INTERNAL CHANGE AND AUTOMATION JPRS-17092 N63-11814 04-09

VITAL FUNCTION RESTORATION FROM CLINICAL DEATH CAUSED BY MECHANICAL ASPHYXIA JPRS-17162 N63-11839 04-16

EFFECT OF INTESTINAL MICROORGANISMS ON RADIATION SICKNESS IN MICE JPRS-17170 N63-11840 04-16

DIAGNOSIS OF MITRAL LESIONS OF THE HEART BY THE COMBINED USE OF PHONO-, VECTOR-, AND BALLISTOCARDIOGRAPHY JPRS-17171 N63-11841 04-16

GEODETIC TOPOGRAPHIC WORK IN FIELD ESTABLISHMENT AND FREQUENCY SOUNDING JPRS-17175 N63-11842 04-12

MOLECULAR SPECTROSCOPY AND CALCULATION METHODS JPRS-17176 N63-11843 04-07

TITANIUM POWDER METALLURGY JPRS-17155 N63-11872 04-18

SOVIET PSYCHOLOGICAL REPORTS - SAFETY, CYBERNETICS AND COMPUTER ANALYSIS OF ELECTROENCEPHALOGRAMS JPRS-17219 N63-11934 04-14

ELECTRONICS AND AUTOMATION - SOVIET UNION JPRS-17220 N63-11935 04-09

RADIATION SICKNESS - EFFECT OF BARBITURATES - EFFECT OF ACCELERATIONS AT MOMENT OF IRRADIATION JPRS-17202 N63-11948 04-16

CENTRAL DEPRESSING ACTION OF MEDINAL BARBAMIL, AND THIOPENTAL DURING ACUTE RADIATION SICKNESS IN RATS AND RABBITS N63-11949 04-16

ACCELERATIONS CREATED AT MOMENT OF IRRADIATION OF ANIMALS AND COURSE OF ACUTE RADIATION SICKNESS N63-11950 04-16

ACUTE RADIATION SICKNESS - PATHOMORPHOLOGICAL CHANGES IN THE EYE - PROTECTIVE EFFECT OF BETA MERCAPTOETHYLAMINE JPRS-17222 N63-12011 05-16

FREQUENCY STEERING OF RADIATION PATTERN OF ANTENNA ARRAYS JPRS-17225 N63-12012 05-09

CYBERNETIC AND AUTOMATIC CONTROL - FUTURE NEEDS JPRS-17227 N63-12013 05-09

PHYTOLIPOPOLYSACCHARIDE - IRRADIATION - ULTRASONIC WAVES - INSULIN JPRS-17239 N63-12014 05-16

SIGNIFICANCE OF ADRENAL GLANDS TO HEAT RESISTANCE OF AN ORGANISM JPRS-17250 N63-12015 05-16

SELF-EXCITING SYNCHRONOUS GENERATORS JPRS-17252 N63-12016 05-06

CORROSION OF METALS AND METHODS OF SURFACE FINISHING JPRS-17253 N63-12017 05-17

SOVIET AIRCRAFT INSTRUMENTATION THEORY AND DESIGN HISTORY JPRS-17257 N63-12018 05-15

LENIN PRIZES COMPETITION, 1963 - SCIENCE AND TECHNOLOGY JPRS-17261 N63-12019 05-01

EFFECTS OF HYPOTHERMIA ON SHOCK SYNDROME, AND ON BLOOD PROTEIN LEVELS OF IRRADIATED ANIMALS JPRS-17262 N63-12020 05-16

CHROMIUM CARBIDE-BASE ALLOYS JPRS-17275 N63-12021 05-18

NATURAL BACKGROUND RADIOACTIVITY AND RECORDING OF PHYSIOLOGICAL FUNCTIONS IN MAN WHILE PERFORMING PHYSICAL WORK JPRS-17249 N63-12065 05-16

POTASSIUM-40 ABUNDANCE AS INDICATOR OF NATURAL BACKGROUND RADIOACTIVITY N63-12066 05-16

REVIEW OF INSTRUMENTS FOR RECORDING PHYSIOLOGIAL RESPONSES IN MAN WHILE PERFORMING PHYSICAL WORK
N63-12067 05-16

THERMAL AND ELECTRIC BURNS, FIRST AID AND TREATMENT - FROSTBITE
JPRS-17274 N63-12133 05-16

PRODUCTION AND PROPERTIES OF SEMIFINISHED TANTALUM
JPRS-17296 N63-12134 05-18

RELATIONSHIPS AMONG COEFFICIENTS OF TURBULENT MOMENT, HEAT, AND MATTER TRANSFER IN SURFACE LAYER OF ATMOSPHERE
JPRS-17299 N63-12135 05-21

PRODUCTION METHODS, PHYSICAL PROPERTIES, AND ELECTRONIC STRUCTURE OF REFRACTORY METALS, THEIR COMPOUNDS AND ALLOYS
JPRS-17322 N63-12136 05-18

NONFERROUS METALLURGY - STRUCTURAL CHANGES DURING HARDENING AND RECRYSTALLIZATION OF MOLYBDENUM, COMBUSTIBILITY OF TITANIUM AND ITS ALLOYS
JPRS-17306 N63-12186 05-18

STRUCTURAL CHANGES DURING HARDENING AND RECRYSTALLIZATION OF MOLYBDENUM
N63-12187 05-18

COMBUSTIBILITY OF TITANIUM AND ITS ALLOYS
N63-12188 05-18

TRANSISTORIZED CONTROL SYSTEMS FOR DATA STORAGE DEVICE USING PIEZOELECTRICS
JPRS-17323 N63-12189 05-17

LIVING ORGANISMS OBTAINED FROM METEORITE SAMPLE - USSR SPACE PROGRAM
JPRS-17326 N63-12190 05-16

INFLUENCE OF INDUCTION HEATING WITH HIGH FREQUENCY CURRENT ON CORROSION RESISTANCE OF WELDED JOINTS OF AUSTENITE STEEL
JPRS-17356 N63-12197 05-17

FLICKERING OF STAR IMAGES IN TELESCOPES - BARYCENTRIC HIGH RELIEF OF LIMB ZONE OF MOON - SOLAR DIFFRACTION SPECTOGRAPH
JPRS-17363 N63-12201 05-05

FLICKERING OF STAR IMAGES IN TELESCOPES
N63-12202 05-05

BARYCENTRIC HIGH RELIEF OF LIMB ZONE OF MOON
N63-12203 05-05

UKRANIAN SOLAR DIFFRACTION SPECTROGRAPHIC TELESCOPE
N63-12204 05-05

RECOMBINATION OF DISLOCATIONS IN GERMANIUM - PLASTIC DEFORMATION
JPRS-17348 N63-12223 05-25

SOVIET CONFERENCE ON ELEMENTARY PARTICLE THEORY - SCATTERING, INTERACTIONS, GRAVITATION, AND QUANTUM FIELD THEORY
JPRS-17376 N63-12224 05-23

SOVIET STUDIES ON CRYSTALLINE STRUCTURE - MIGRATION OF VACANCIES IN CRYSTAL LATTICE
JPRS-17370 N63-12225 05-18

MIGRATION OF VACANCIES IN CRYSTAL LATTICE RELATED TO DELAYED FRACTURE OF METALS USING ELECTRON MICROSCOPY TECHNIQUE
N63-12226 05-18

RELATIONSHIPS BETWEEN CRYSTAL STRUCTURE DEFECTS, DEFORMATION STRESS, AND PROPERTIES OF METALS
N63-12227 05-18

SOURCES OF METALLIC CRYSTAL STRUCTURE DISLOCATIONS OBSERVED BY ELECTRON MICROSCOPY
N63-12228 05-18

STUDY OF METALLIC CRYSTAL DEFECTS BY DETERMINING ELECTRON DENSITY USING X-RAY BEAM SCATTER METHOD
N63-12229 05-18

SOVIET STUDIES ON METALLIC COMPOUNDS - CHEMISTRY OF YTTRIUM CARBIDES, AND PLASTIC DEFORMATION OF SOLID SOLUTIONS
JPRS-17345 N63-12230 05-07

CHEMISTRY OF YTTRIUM CARBIDES
N63-12231 05-07

MECHANISM OF PLASTIC DEFORMATION IN SOLID SOLUTIONS - RELATIONSHIP OF RELAXATION COEFFICIENT TO ALLOY HARDNESS AND RESISTANCE TO PLASTIC FLOW
N63-12232 05-07

CORRELATION METHOD FOR RECOGNIZING PATTERNS - SCANNING DEVICE CYBERNETICS
JPRS-17391 N63-12325 05-09

ZEEMAN PHENOMENON AND MAGNETIC RESONANCE - CLEAVAGE OF SPECTRAL LINES AND ENERGY LEVELS
JPRS-17398 N63-12326 05-23

LINEAR PROGRAMMING TECHNIQUES APPLIED TO ECONOMIC FORECASTING
JPRS-17405 N63-12327 05-20

RADIATION MEDICINE - CHEMOTHERAPY, SKIN CHRONAXY AND VISUAL ANALYZERS, SPLEEN HOMOTRANSPLANTATION, BLOOD AND BONE MARROW STUDY
JPRS-17402 N63-12391 06-16

SAFETY OF PERSONNEL ENGAGED IN DIAGNOSIS AND TREATMENT OF THYROID GLAND BY IODINE-131
N63-12392 06-16

FIRST AID IN IODINE-131 POISONING - CHEMOTHERAPY
N63-12393 06-16

CHANGES IN PERIPHERAL BLOOD DURING RADIATION THERAPY
N63-12394 06-16

EARLY CHANGES IN SKIN CHRONAXY AND VISUAL ANALYZERS - RADIOBIOLOGY
N63-12395 06-16

LUMINESCENT-MICROSCOPIC EVALUATION OF BLOOD & BONE MARROW DURING X-RAY IRRADIATION
N63-12396 06-16

TREATMENT OF RADIATION SICKNESS BY HOMO-TRANSPLANTATION OF FRESH AND PRESERVED SPLEEN
N63-12397 06-16

EFFECT OF SOME PHARMACOPEIAL PREPARATIONS ON RADIATION SICKNESS
N63-12398 06-16

SCIENTIFIC CONFERENCE ON RECOVERY FROM RADIATION INJURIES
N63-12399 06-16

CLASSIFICATION OF ELECTROTHERMIC EQUIPMENT FOR HEAT TREATMENT OF METALS
JPRS-13459 N63-13819 09-17

INTERACTION OF CHARGED PARTICLES WITH ELECTRIC FIELDS - GENERATORS, AMPLIFIERS, AND ACCELERATORS
JPRS-13043 N63-13820 09-23

NEW CORROSION, HEAT-RESISTANT & HIGH TEMPERATURE STEELS AND ALLOYS IN THE SOVIET UNION
JPRS-13978 N63-13822 09-18

PRECISE TRAJECTORY CONTROL AND GUIDANCE OF ROCKETS
JPRS-12784 N63-13826 09-30

CYBERNETIC ACCELERATOR FOR PARTICLES WITH ENERGIES OF 1000 BEV - AUTOMATION
JPRS-13770 N63-13827 09-23

PARTICLE MOVEMENT THEORY AND INCREASING CYCLIC ACCELERATOR EFFECTIVENESS
JPRS-13752 N63-13993 09-23

RESEARCH IN THEORY OF MOVEMENT OF PARTICLES IN MODERN CYCLIC ACCELERATORS - BETATRON AND SYNCHROPHASOTRON
N63-13994 09-23

AUTOPHASING OF ACCELERATED PARTICLES, SECTORAL CYCLOTRONS, AND ACCELERATORS WITH STABLE CONTACT ORBITS
N63-13995 09-23

SYMPOSIUM ON APPLICATION OF ELECTROMECHANICS TO

HYSIOLOGY, CODING, TRANSMISSION, AND TELEMETRY
PRS-13512 N63-14014 09-09

UTOMATIC CONTROL OF TRANSFER OPERATION OF PHOTO-ETRIC SERVOMECHANISMS WHEN BRIGHTNESS OF TRACKED BJECTS VARIES N63-14015 09-09

OVIET AUTOMATIC CONTINUOUS CONTROL SYSTEM FOR ROGRAMMING ASTRONOMIC OBSERVATION N63-14016 09-09

AGNETIC ELEMENTS IN CODE-TYPE TELEMETRY SYSTEMS N63-14017 09-09

ESIGN OF COMPLEX DEVICES FOR TRANSMISSION OF NFORMATION WITH CENTRAL CONTROL N63-14018 09-09

UMBER-COMBINATION METHOD OF CODING DESCRIBED FOR SE WITH MEMORY CELL READERS USING SHIFTING EGISTERS WITH LOGICAL FEEDBACK N63-14019 09-09

IOLOGICAL INSTRUMENTS DEVELOPED TO SIMPLIFY HYSIOLOGICAL INVESTIGATIONS AND AUTOMIZE DATA EDUCTION N63-14020 09-09

EMICONDUCTOR TECHNOLOGY - SILICON AND GERMANIUM PRS-17351 N63-15700 12-25

OVIET BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY AND PACE
PRS-20197 N63-19122 18-12

ETEOROLOGY IN THE SERVICE OF AGRICULTURE
PRS-20302 N63-19521 19-21

XISTENCE OF ABSOLUTE MINIMUM IN THEORY OF OPTIMAL ONTROL
PRS-20501 N63-19522 19-20

ALLOON SATELLITE PROBE OF SOLAR ACTIVITY, ELESTIAL MECHANICS, & ASTROPHYSICS
PRS-20475 N63-19553 19-05

HUNDERSTORM THEORY BASED ON ELECTROMAGNETIC NDUCTION
PRS-20686 N63-19729 19-21

ROTECTIVE ACTION OF RADIOPROTECTORS ON ADIOMIMETRIC EFFECTS OF OLEIC ACID XIDATION PRODUCTS
PRS-20517 N63-19751 19-16

OBABILITY PROGNOSTICATION IN THE ACTIVITY OF THE RAIN - PSYCHOLOGY
PRS-20550 N63-19752 19-16

OLOGICAL OXIDATION IN MICROBIOLOGY - RESPIRATION ID OXIDATION STUDIES
PRS-20575 N63-19753 19-16

TER VAPOR MEASUREMENT IN STRATOSPHERE - SOSPHERE LAYER ABOVE 25 TO 30-KM
RS-20628 N63-19754 19-21

CILITIES FOR FLOW INVESTIGATIONS AT INSTITUTE IR APPLIED AERODYNAMICS OF TECHNICAL UNIVERSITY DRESDEN, GERMANY
RS-20378 N63-19795 19-10

THOPHYSIOLOGY OF HIGHER NERVOUS ACTIVITY OF MAN ID MEDICAL PSYCHOLOGY RESEARCH METHODS
RS-20543 N63-19802 19-14

IDIUM LACTATE FOR RADIATION SICKNESS IN RABBITS
RS-20469 N63-19818 19-16

CLEIC ACID IN BIOSYNTHESIS OF PROTEINS
RS-20255 N63-19819 19-16

MAN FACTORS IN MAN-MACHINE SYSTEMS AND TOMATION
RS-20403 N63-19840 19-14

CHANIZED BRAZING OF HEAT-EXCHANGER TUBES
RS-20734 N63-19873 19-17

PERTHERMIA IN DOGS AND ITS DEPENDENCE ON BODY WATER DURING MUSCULAR EXERCISE AT HIGH ENVIRONMENTAL TEMPERATURE
JPRS-20748 N63-19874 19-16

MUTATIONS IN CHLORELLA VULGARIS PRODUCED BY IRRADIATION WITH ULTRAVIOLET LIGHT
JPRS-20609 N63-19912 19-16

DISLOCATION MOVEMENT DURING ELASTIC TWINNING OF CALCITE CRYSTALS
JPRS-20708 N63-19913 19-25

RADIO ELECTRONICS FOR SPACE COMMUNICATIONS AND RADIO ASTRONOMY IN THE SOVIET UNION
JPRS-20588 N63-19955 19-08

TISSUE RESISTANCE ACCOMPANYING ACCLIMATIZATION OF ANIMALS TO MODERATE HYPOXIA UNDER NATURAL CONDITIONS
JPRS-20749 N63-19956 19-16

EARTHQUAKES AND EXPLOSIVE SEISMOLOGY
JPRS-20465 N63-20034 19-12

DEFICIENT USE OF VARIOUS COMPUTERS - ACCOUNTING AND STATISTICS IN RUSSIA
JPRS-20566 N63-20327 20-17

GAS EXCHANGE DYNAMICS IN WHITE MICE UNDER CONDITIONS OF HYPEROXIA
JPRS-20791 N63-20328 20-16

PRODUCING, PRESSING, ROLLING, AND SINTERING METAL POWDERS
JPRS-20810 N63-20329 20-18

AUTOMATIC CONTROL SYSTEMS IMPROVEMENT WITH COMPOUND LINKS - THEORY AND ERROR ANALYSIS
JPRS-20486 N63-20390 20-09

HUMAN ABILITIES ON PSYCHOLOGICAL TASKS AS STUDIED USING INFORMATION THEORY AND SHANNON LAW
JPRS-20680 N63-20391 20-14

POSTNATAL NERVOUS SYSTEM STUDIES OF DOGS GIVEN X-RAY IRRADIATION DURING EMBRYOGENESIS
JPRS-20731 N63-20392 20-16

GAME THEORY APPLIED TO NERVOUS SYSTEM CYBERNETICS AND PHYSIOLOGY
JPRS-20629 N63-20399 20-14

TISSUE ADSORPTIVITY CHANGE DURING ACUTE RADIATION SICKNESS
JPRS-20713 N63-20431 20-16

PROTECTIVE & THERAPEUTIVE ACTION OF SYNERGISTIC DRUGS ON OUTCOME OF RADIATION SICKNESS IN ANIMALS
JPRS-20520 N63-20435 20-16

CYBERNETICS IN PROBLEMS OF POWER SYSTEM CONTROL UNDER ENERGENCY CONDITIONS
JPRS-20835 N63-20637 20-09

WEATHER CONTROL THROUGH FIRING AT HAIL CLOUDS WITH ANTIAIRCRAFT GUNS
JPRS-20865 N63-20638 20-21

SOVIET RESEARCH IN CLIMATE THEORY - METEOROLOGY & HYDROLOGY
JPRS-20782 N63-20661 20-21

CYBERNETICS INCLUDING GAME THEORY, CONTROL SYSTEM THEORY, INFORMATION THEORY, COMPUTER PROGRAMMING, MATHEMATICAL ECONOMICS, AND LINGUISTICS
JPRS-20780 N63-20662 20-20

NUCLEIC ACID CONTENT OF NERVE CELLS IN VARIOUS FUNCTIONAL STATES FROM CYTOPHOTOMETRIC METHODS
JPRS-20868 N63-20663 20-16

PATHOLOGICAL EFFECTS OF COMBINED X-RAY RADIATION & ELECTROMAGNETIC FIELD UNDER INDUSTRIAL CONDITIONS
JPRS-20872 N63-20696 21-16

CORNEAL EPITHELIUM MITOSIS IN MICE FOLLOWING GAMMA IRRADIATION - RADIATION EFFECT ON EYE
JPRS-20735 N63-20714 21-16

COMPUTER METHOD OF DETERMINING EARTHQUAKE EPICENTERS
JPRS-20954 N63-20743 21-12

ELECTRONICS AND ELECTRONIC EQUIPMENT IN MEDICINE
JPRS-20968 N63-20744 21-16

RELATIONSHIP BETWEEN VEGETATION AND TERRAIN - SURFACE SHAPING FACTORS AND GEOMORPHOLOGICAL SHAPES
JPRS-20888 N63-20800 21-17

HIGH PURITY REFINING OF SILICON TETRACHLORIDE AND TRICHLOROSILANE BY RECTIFICATION METHOD
JPRS-20944 N63-20902 21-07

TURBULENCE AND TURBULENT MIXING IN THICK CUMULUS AND CUMULONIMBUS CLOUDS
JPRS-20956 N63-20903 21-21

EMBRYO ABNORMALITIES IN IRRADIATED MATURE MICE
JPRS-20960 N63-20904 21-17

SHIELDING MAMMALS AGAINST IONIZING RADIATION
JPRS-20964 N63-20905 21-17

DEVELOPMENT AND TRAINING OF ASTRONAUTS IN SOVIET UNION
JPRS-20967 N63-20906 21-01

DEVELOPMENT OF SPACE BIOLOGY IN THE SOVIET UNION
JPRS-18125 N63-20928 21-16

TRANSPLANTATION OF HEMOPOIETIC TISSUE - EMBRYONIC LIVER OR BONE MARROW CELLS TO RATS - DEATH RATE
JPRS-20948 N63-21025 21-17

LASER - DEATH RAYS, SPACE COMMUNICATION, SPACE NAVIGATION
JPRS-20959 N63-21026 21-23

DEVELOPMENT OF EMBRYOS IN CLOSED ECOLOGICAL SYSTEMS - LIFE SUPPORT SYSTEM
JPRS-18589 N63-21036 21-17

SOVIET RESEARCH IN DATA PROCESSING
JPRS-20660 N63-21085 21-20

VARIATIONAL PROBLEMS IN OPTIMIZATION OF CONTROL PROCESSES - SOVIET DATA PROCESSING
N63-21086 21-20

INTRODUCING A SMALL PARAMETER IN INVESTIGATION OF NONLINEAR OSCILLATIONS IN AUTOMATIC SYSTEMS - SOVIET DATA PROCESSING N63-21087 21-20

SYNTHESIS OF LINEAR SYSTEM OF AUTOMATIC CONTROL - SOVIET DATA PROCESSING N63-21088 21-20

PRINCIPLE OF EXTREMUM FOR SYSTEM OF SECOND-ORDER DIFFERENTIAL EQUATIONS - SOVIET DATA PROCESSING
N63-21089 21-20

ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF MANY-DIMENSIONAL SYSTEM OF DIFFERENTIAL EQUATIONS - SOVIET DATA PROCESSING N63-21090 21-20

NUMERICAL INTEGRATION OF ORDINARY DIFFERENTIAL EQUATIONS - SOVIET DATA PROCESSING
N63-21091 21-20

NUMERICAL SOLUTION OF INTEGRO-DIFFERENTIAL EQUATIONS - SOVIET DATA PROCESSING
N63-21092 21-20

PARAMETER DEPENDENCE OF SOLUTIONS OF DIFFERENTIAL DIFFERENCE EQUATION - SOVIET DATA PROCESSING
N63-21093 21-20

BOUNDARY VALUE PROBLEM AND QUESTIONS OF VARIATION OF ITS SOLUTION - SOVIET DATA PROCESSING
N63-21094 21-20

MOTION PROBLEM FOR HEAVY SOLID BODY AROUND FIXED POINT - SOVIET DATA PROCESSING
N63-21095 21-20

STATISTICAL AND PROBABILITY SIMULATION AS POSSIBLE PRINCIPLE OF CONSTRUCTING CONTROL SYSTEMS - SOVIET DATA PROCESSING N63-21096 21-20

COMPUTER TECHNIQUES IN DETERMINATION OF DYNAMIC CHARACTERISTICS OF CONTROLLED PROCESSES - SOVIET DATA PROCESSING N63-21097 21-20

SOMMERFELDS POLYNOMIAL METHOD - SOVIET DATA PROCESSING N63-21098 21-20

BIOLOGICAL & MEDICAL FACTORS OF SPACE FLIGHT
JPRS-20943 N63-21186 21-16

DIFFRACTION OF PLANE HYDROACOUSTIC WAVE AT BOUNDARY OF TWO ELASTIC PLATES
JPRS-20981 N63-21187 21-23

EXOBIOLOGY AND PROBLEMS OF DISCOVERING EXTRATERRESTRIAL LIFE
JPRS-18004 N63-21214 21-16

WEST FORD PROJECT FOR BELTS OF COPPER DIPOLES IN SPACE FOR RADIO SIGNAL PROPAGATION
JPRS-21142 N63-21384 22-32

VIBRATION ISOLATION MOUNTS USED IN SHIP ENGINES AND MACHINERY - CHARACTERISTICS AND DESIGN OF STEEL AND RUBBER MOUNTS
JPRS-21021 N63-21385 22-19

ATMOSPHERIC TURBULENCE - WIND VELOCITY AND TEMPERATURE DISTRIBUTION IN GROUND SURFACE LAYER
JPRS-21143 N63-21416 22-11

BURN STUDIES ON RABBITS - INTENSITY, AREA, & DEPTH OF BURN IN SKIN BURN MODEL
JPRS-20950 N63-21448 22-16

ANIMAL BEHAVIOR AND LEARNING - MECHANICAL AND PURPOSIVE BEHAVIOR - HEREDITY AND ENVIRONMENTAL EFFECT ON CONDITIONING IN MAN AND ANIMALS
JPRS-21149 N63-21451 22-16

FUNCTIONING OF ACADEMIC COUNCIL ON PHYSIOLOGY - HUMAN AND ANIMAL PHYSIOLOGY
JPRS-21133 N63-21455 22-16

EXTRATERRESTRIAL LIFE - POSSIBLE ORGANISMS ON MARS
JPRS-21026 N63-21489 22-16

POSSIBLE ORIGIN OF LIFE IN THE UNIVERSE & METHODS OF EVOLUTION N63-21490 22-16

MARS AND ORGANIC LIFE N63-21491 22-16

USSR INDUSTRIAL INSTRUMENTATION
JPRS-20833 N63-21492 22-01

UTILIZATION OF MODERN MACHINES, AUTOMATION AND INSTRUMENT PRODUCTION - SOVIET INSTRUMENTATION
N63-21493 22-15

AUTOMATIC MACHINERY FOR METEOROLOGICAL EQUIPMENT - SOVIET INSTRUMENTATION N63-21494 22-21

SPACE BIOLOGY AND MEDICINE
JPRS-18395 N63-21495 22-16

COSMONAUT PHYSIOLOGICAL STUDIES DURING SPACEFLIGHT
N63-21496 22-16

RADIATION PROTECTION FOR SPACECRAFT - COSMIC RADIATION, ION BELT RADIATION, & NUCLEAR PROPULSION EFFECTS ON BIOLOGICAL SYSTEMS
N63-21497 22-16

SPACECRAFT BIOLOGICAL TELEMETRY SYSTEMS
N63-21498 22-16

CYTOLOGICAL STUDIES AND SPACE BIOLOGY
N63-21499 22-16

SPACE LIFE SUPPORT SYSTEMS FOR LONG AND SHORT FLIGHTS - NUTRITIONAL PROBLEMS
N63-21500 22-16

INTEGRATION OF MAN & MACHINE IN COMPLEX CONTROL SYSTEMS FOR SPACECRAFT N63-21501 22-16

PHYSICAL EXERCISE AND PHYSICAL CONDITIONING OF

SMONAUTS FOR SPACEFLIGHT N63-21502 22-16

YSICAL EXERCISE FOR COSMONAUTS UNDER HIGH AND W GRAVITY - MUSCULAR COORDINATION AND SKILLS N63-21503 22-16

TION SICKNESS AS PROBLEM OF SPACE MEDICINE N63-21504 22-16

OLOGICAL EFFECT OF COSMIC RADIATION ON SPACESHIP N63-21505 22-16

FECT OF SPACE FLIGHT FACTORS ON BIOLOGICAL DICES IN INSECTS - SPACE BIOLOGY N63-21506 22-16

TOLOGICAL AND HISTOLOGICAL CHANGES IN MATOPOIETIC ORGANS OF MICE UNDER INFLUENCE OF ACE FLIGHT - SPACE BIOLOGY N63-21507 22-16

THOLOGICAL CHANGES IN INTERNAL ORGANS OF ANIMALS DER INFLUENCE OF FLIGHT N63-21508 22-16

CROBIOLOGICAL AND CYTOLOGICAL STUDIES IN ACECRAFT - SPACE BIOLOGY N63-21509 22-16

FECT OF SPACE FLIGHT FACTORS OF SATELLITE VOSTOK ON HAPLOID AND DIPLOID YEAST N63-21510 22-16

NETIC AND PHYSIOLOGICAL EFFECT OF SPACEFLIGHT ON EDS OF HIGHER PLANTS AND ACTINOMYCETES - SPACE OLOGY N63-21511 22-16

YSIOLOGY OF PLANTS GROWN IN PAMIR COMPARED TO ANT GROWTH IN SPACECRAFT ABOVE ATMOSPHERE - ACE BIOLOGY N63-21512 22-16

NIZING RADIATION AT HIGH ALTITUDES AND DIOLOGICAL SAFETY DURING SPACE FLIGHT - SPACE OLOGY N63-21513 22-16

MOTE EFFECT OF SPACE FLIGHT ON NERVOUS ACTIVITY D UNCONDITIONED REFLEXES - SPACE BIOLOGY N63-21514 22-16

NSORY AND MOTOR EFFECTS OF WEIGHTLESSNESS IN MANS - SPACE BIOLOGY N63-21515 22-16

TELLIGIBILITY AND FREQUENCY SPECTRUM OF HUMAN EECH FROM SPACE - BIOLOGY OF WEIGHTLESSNESS N63-21516 22-16

VELOPMENT OF MOTOR HABITS IN STATE OF IGHTLESSNESS - SPACE BIOLOGY N63-21517 22-16

FECT OF MECHANICAL STRESSES ON PHYSIOLOGY - ACE BIOLOGY N63-21518 22-16

MODYNAMICS AND GAS EXCHANGE IN CIRCULATORY TRACT RING TRANSVERSE CHEST-BACK ACCELERATION - SPACE OLOGY N63-21519 22-16

FECT OF TRANSVERSE ACCELERATIONS ON HUMAN BODY - ACE BIOLOGY N63-21520 22-16

FECTS OF VARYING DEGREES OF LONG-LASTING ANSVERSE ACCELERATIONS ON ELECTRICAL REACTIONS HUMAN CEREBRAL CORTEX - SPACE BIOLOGY N63-21521 22-16

MIT OF HUMAN TOLERANCE TO TRANSVERSE CELERATIONS AND PHYSIOLOGICAL REACTIONS OF DY - SPACE BIOLOGY N63-21522 22-16

FECT OF DEPRIVATION OF SLEEP ON HUMAN NERVOUS TIVITY - SPACE BIOLOGY N63-21523 22-16

FECT OF RESISTANCE TO INSPIRATION ON BREATHING DER INCREASED PRESSURE - SPACE BIOLOGY N63-21524 22-16

FECT OF CLOSED SYSTEM ON PHYSIOLOGICAL FUNCTIONS ANIMALS - SPACE BIOLOGY N63-21525 22-16

E OF TIME FACTOR IN RADIATION REACTIONS OF ITRAL NERVOUS SYSTEM - SPACE BIOLOGY N63-21526 22-16

PRODUCTIVITY OF VARIOUS FORMS OF UNICELLULAR ALGAE IN SPACE N63-21527 22-16

INTENSIFICATION OF PHOTOSYNTHETIC PRODUCTIVITY OF CULTURE OF UNICELLULAR ALGAE IN SPACE N63-21528 22-16

SPACE FLIGHT SIGNIFICANCE OF PHOTOADAPTATION AND PHOTOREACTIVATION IN PLANT ORGANISMS - SPACE BIOLOGY N63-21529 22-16

BIOLOGICAL EFFECTIVENESS OF HIGH ENERGY PROTONS - SPACE BIOLOGY N63-21530 22-16

MUTATIONAL ACTIVITY OF ANTIPARTICLES - SPACE BIOLOGY N63-21531 22-16

EFFECT OF HIGH ENERGY PROTONS ON OCCURRENCE RATE OF MUTATIONS - SPACE BIOLOGY N63-21532 22-16

MECHANISM OF SHIELDING AGAINST WHOLE BODY PROTON IRRADIATION - SPACE BIOLOGY N63-21533 22-16

RESISTANCE OF ADRENALECTOMIZED AND HYPOPHYSECTOMIZED RATS TO ACUTE OXYGEN DEFICIENCY - SPACE BIOLOGY N63-21534 22-16

DEVELOPMENT OF HIGH-ALTITUDE TISSUE SWELLING - SPACE BIOLOGY N63-21535 22-16

EVALUATION OF CEREBRAL BLOOD SUPPLY UNDER CONDITIONS OF ALTERED GRAVITATIONAL FIELD - SPACE BIOLOGY N63-21536 22-16

EFFECT OF PROLONGED LIMITATION OF MOTOR ACTIVITY ON BEHAVIOR OF MONKEYS - SPACE BIOLOGY N63-21537 22-16

SPACE BIOLOGY AND MEDICINE JPRS-18538 N63-21546 22-16

SPACE BIOLOGY AND MEDICINE - EXTRATERRESTRIAL LIFE ON MARS AND VENUS N63-21547 22-16

SPACE BIOLOGY AND MEDICINE - INTERRELATIONSHIP OF CYBERNETICS & SPACE MEDICINE N63-21548 22-16

DEFORMABLE, HEAT-RESISTANT MATERIAL BASED ON ALUMINUM PRODUCED BY PRESSING ALUMINUM POWDER JPRS-21052 N63-21925 22-18

THERMODYNAMICS USED IN EXCITATION OF LIVING CELLS-DISTURBANCE OF STEADY STATE OF OPEN SYSTEMS JPRS-21097 N63-21926 22-16

SPACE FLIGHT OF VOSTOK V AND VOSTOK VI AND IONIZING RADIATION ENVIRONMENT JPRS-21138 N63-21931 22-32

SPACE FLIGHT - BRIEF LOG OF FLIGHT BY COSMONAUTS OF VOSTOK V AND VOSTOK VI N63-21932 22-32

PRESS CONFERENCE ON SPACE FLIGHT BY VOSTOK V AND VOSTOK VI COSMONAUTS N63-21933 22-32

SPACE FLIGHT AND RADIATION HAZARD - BIOLOGICAL EFFECT OF IONIZING RADIATION N63-21934 22-28

SOVIET RESEARCH IN GEOMAGNETISM AND AERONOMY JPRS-21073 N63-21935 22-12

CONSTANT GEOMAGNETIC FIELD - APPLICATION TO STUDIES OF EARTH & SUBSURFACE N63-21936 22-12

GEOMAGNETISM - CONSTANT MAGNETIC FIELD N63-21937 22-12

ANALYSIS OF ANNUAL VARIATION IN MAGNETIC ACTIVITY-GEOMAGNETISM N63-21938 22-12

RELATIONSHIP OF EARTH CURRENTS TO SUBSURFACE ELECTROMAGNETIC PROCESSES - GEOMAGNETISM N63-21939 22-12

VELOCITY AND DIRECTION OF IONOSPHERIC DISTURBANCES IN F-2 LAYER FROM IONOSPHERIC STATION DATA - GEOMAGNETISM N63-21940 22-12

IGY IONOSPHERIC PANORAMIC STATION - GEOMAGNETISM
N63-21941 22-12

DATA PROCESSING OF RESULTS OF IONOSPHERIC PANORAMIC VERTICAL SOUNDING - GEOMAGNETISM
N63-21942 22-12

STATISTICAL ANALYSIS METHODS FOR EARTH ELECTRO-MAGNETIC FIELD VARIATIONS - GEOMAGNETISM
N63-21943 22-12

STRESS-STRAIN DISTRIBUTION OF ELASTIC SHELL AS FUNCTION OF FORCE & MOMENT CONCENTRATION
JPRS-21084 N63-22021 22-33

OCEANOGRAPHY AND UNDERWATER STUDIES
JPRS-21162 N63-22032 22-01

METEOROLOGY & HYDROLOGY - COMPUTER USAGE, EARTHS ATMOSPHERIC RADIATION BALANCE, HEAT BALANCE, MELT WATER REGULATION AND OCEAN SURFACE RADIATION
JPRS-20716 N63-22097 22-21

PRESENT AND FUTURE ASPECTS OF SPACE TRAVEL
JPRS-20892 N63-22098 22-29

MORPHOLOGICAL CHANGES IN PERIPHERAL NERVE TRUNKS FROM EFFECT OF VIBRATION
JPRS-21053 N63-22099 22-16

PURE FLUID CONTROL DEVICES AND DESIGN OF PRINTED PNEUMATIC CIRCUITS
JPRS-21085 N63-22100 22-11

RADAR RANGE CALCULATION
JPRS-21139 N63-22101 22-08

RECENT DEVELOPMENTS IN PRODUCTION OF SILICONE POLYMERS
JPRS-21147 N63-22102 22-07

BIBLIOGRAPHY ON RARE EARTH ALKALI METALS
JPRS-21187 N63-22103 22-18

TETRACYCLINE ANTIBIOTIC EFFICACY IN RADIATION SICKNESS TREATMENT - ANTIBACTERIAL PROPERTIES AND ORGANISMS-NONSPECIFIC DEFENSE MECHANISM
JPRS-21189 N63-22104 22-16

TECHNOLOGY OF PRODUCTION OF RADIO-ELECTRONIC EQUIPMENT
JPRS-21222 N63-22105 22-09

METABOLIC CHANGES IN HUMANS FOLLOWING SEVERE BURNS
JPRS-21235 N63-22106 22-16

THERMODYNAMIC CYCLES OF ATOMIC POWER STATIONS WITH MAGNETOHYDRODYNAMIC GENERATORS
JPRS-21241 N63-22107 22-06

BAND MODEL FOR INFRARED RADIATION ABSORPTION BY WATER VAPOR
JPRS-21243 N63-22108 22-23

VACUUM CLADDING OF REFRACTORY METALS
JPRS-21244 N63-22109 22-18

ATOMIC INDUSTRY - NUCLEAR REACTIONS, NUCLEAR FISSION & THERMONUCLEAR FUEL, PRODUCTION OF DEUTERIUM, TRITIUM & LITHIUM AND NUCLEAR MOTORS
JPRS-20754 N63-22152 22-23

INDICATOR DEVICES FOR RADAR STATIONS
JPRS-21261 N63-22175 23-08

PROTEIN SYNTHESIS, RIBONUCLEIC ACID, & GENETICS
JPRS-21050 N63-22296 23-16

GENETIC VARIABILITY IN VIRUSES AND BACTERIOPLAGES UNDER ACTION OF RADIATION AND CHEMICAL AGENTS
N63-22297 23-16

EFFECT OF X-RAY IRRADIATION ON ANIMALS
JPRS-21171 N63-22366 23-16

HISTOCHEMICAL STUDY OF LIPASE, ALKALI & ACID PHOSPHATASE ACTIVITY IN DIGESTIVE TRACTS OF RATS ON DIFFERENT DIETS EXPOSED TO SUBLETHAL X-RAY DOSE
N63-22367 23-16

EFFECT OF X-RAY IRRADIATION ON RIBOFLAVIN METABOLISM IN RABBITS
N63-22368 23-16

POST MORTEM DISCOVERY OF RADIOISOTOPE CONTAMINATION IN MAN AFTER X-RAY & BETATRON THERAPY
JPRS-20988 N63-22432 23-16

BIOELECTRICAL ACTIVITY OF MUSCULAR SYSTEM IN NEURO-MUSCULAR DISEASES
JPRS-21034 N63-22433 23-16

MORPHOLOGICAL BASIS FOR SONIC AND ULTRASONIC DETECTION CHARACTERISTICS OF DOLPHINS
JPRS-21038 N63-22434 23-16

MICROWAVE EFFECT ON CARDIOVASCULAR SYSTEM OF HEALTHY PERSON
JPRS-21067 N63-22435 23-16

NATURAL RESOURCE EVALUATION USING AERIAL PHOTOGRAPHY - HYDROLOGICAL STUDIES
JPRS-21163 N63-22436 23-12

BEHAVIOR OF HYDROGEN COMPARED WITH OXYGEN, NITROGEN & ARGON USING EQUIVALENT-STATE LAW
RSIC-46 N63-22460 23-23

RECEIVING SETS USED TO RECORD PROCESSES LEADING TO & FOLLOWING LIGHTNING AND THEIR APPLICATION TO WEATHER FORECASTING
RSIC-55 N63-22461 23-21

WEATHER FORECASTING RULES & METHODS - MEASURING ASYMMETRY OF CIRCUMPOLAR CURRENTS
RSIC-58 N63-22462 23-21

PRESSURE OF SATURATED MERCURY VAPOR AT ZERO-DEG AND HIGHER TEMPERATURES
RSIC-60 N63-22463 23-23

BIOLOGICAL EFFECT OF GAMMA RADIATION AND THERMAL INJURY
JPRS-21170 N63-22553 23-16

GLYCOGEN CONTENT IN NERVOUS SYSTEM OF FROGS AFTER GAMMA RADIATION
N63-22554 23-16

EPIDERMAL REACTION TO THERMAL INJURY IN CATS
N63-22555 23-16

SURVIVAL AND DETECTION OF PATHOGENIC MICROBES IN THE ENVIRONMENT
JPRS-21246 N63-22573 23-16

NUCLEIN METABOLISM IN REGENERATION OF SKELETAL MUSCLES BY QUANTITATIVE AUTORADIOGRAPHY
JPRS-20997 N63-22587 23-16

EFFECT OF CENTIMETER RADIO WAVES ON FERTILITY & REPRODUCTION OF MICE
JPRS-21200 N63-22588 23-16

GEOMAGNETISM & AERONOMY IN STUDY OF TERRESTRIAL CURRENTS, AURORAE, IONOSPHERE, SOLAR ACTIVITY & COSMIC RAYS
JPRS-21277 N63-22589 23-12

COMPRESSIBILITY OF CERTAIN GASES AND THEIR DEVIATIONS FROM AVOGADRO LAW OF DYNAMICS
RSIC-66 N63-22611 23-11

POLYCHLORVINYL & POLYETHYLENE PLASTIC FILMS FOR MEDICAL TREATMENT OF WOUNDS & BURNS
JPRS-21204 N63-22658 23-16

CHEMICAL REACTIONS IN ATMOSPHERE
JPRS-21273 N63-22659 23-12

RADIOELECTRONICS IN PHYSIOLOGICAL EXPERIMENTATION AND CLINICAL PRACTICE - RADIOTELEMETRIC STUDY OF TEMPERATURE IN HUMAN DIGESTIVE TRACT
JPRS-21286 N63-22660 23-14

CHARACTER OF DEPRESSION OF CORTICAL RHYTHM IN RESPONSE TO LIGHT AS SEEN ON ELECTROENCEPHALOGRAM
JPRS-21522 N63-22905 23-14

ELECTRON TRANSFER OF COMPONENTS IN ALLOY OF

LYBDENUM WITH FIFTEEN ATOMIC-PERCENT TUNGSTEN
RS-21406 N63-22906 23-18

EORETICAL POSSIBILITY OF SPONTANEOUS IMAGE
COGNITION
RS-21376 N63-22928 23-14

NCTIONS OF DIGESTIVE ORGANS IN HOT CLIMATE
RS-21479 N63-22932 23-16

ECTROMAGNETIC WAVE DIFFRACTION IN PLANE METAL
ATING WITH SCREEN
RS-21329 N63-22965 23-08

AZING OF TITANIUM WITH RAPID HEATING - SOLDERING
TITANIUM ALLOYS DURING RAPID HEATING IN SALT
THS
RS-21437 N63-22966 23-18

FECT OF IONIZING RADIATION ON FUNCTION OF
STIBULAR ANALYZER
RS-21280 N63-23005 24-16

SLOCATIONS IN CRYSTAL LATTICES OF METAL
RS-21051 N63-23053 24-25

SR INDUSTRIAL DEVELOPMENT - METALWORKING
JIPMENT, SHEET METAL STAMPING BY EXPLOSION
RS-21459 N63-23139 24-18

TTERN OF DISTRIBUTION AND CHANGES OCCURRING
TERRESTRIAL MAGNETISM
RS-21493 N63-23140 24-12

TERMOLECULAR ELECTRON TRANSFER IN TETRAPYRROLE
GMENT DURING PULSED ILLUMINATION
RS-21519 N63-23141 24-07

OPHYSICAL STUDY IN ANTARCTICA
RS-21531 N63-23142 24-12

DIOBIOLOGICAL RESEARCH IN USSR
LS-14415 N63-23272 24-16

PORTANCE OF FAT RESERVES OF THE CELL FOR ITS
ACTIVATION FOLLOWING RADIATION INJURY
N63-23273 24-16

ATIVE BIOLOGICAL EFFECT OF 660-MEV PROTONS
N63-23274 24-16

DIATION EFFECT ON MOLECULAR STRUCTURE OF
OXYRIBONUCLEIC ACID IN PRESENCE OF
IPYLGALLATE N63-23275 24-16

DIOLOGY STUDIES IN USSR
S-21214 N63-23291 24-16

ION MECHANISM OF ANTIRADIATION AGENTS -
DIOLOGY N63-23292 24-16

ION OF RADIOPROTECTIVE AGENTS -
CTICAL APPLICATIONS N63-23293 24-16

ECT OF CYSTEAMINE PROTECTION ON MICE -
ENTIOMETER DETERMINATION N63-23294 24-16

ECT OF UNITHIOLE ON THE RENAL FUNCTION OF DOGS
URED BY IONIZING RADIATION
N63-23295 24-16

NSFORMATION OF HEMOPOIETIC CELLS OF
NSPLANTED ALLOGENOUS BONE MARROW INTO
UNOLOGICALLY COMPETENT CELLS IN IRRADIATED DOGS
N63-23296 24-16

MIDINE, HEMOGLOBIN, AND ERYTHROPOIETIN USED IN
ESTIGATION OF ERYTHROPOIESIS IN IRRADIATED MICE
N63-23297 24-16

HASE NATURE OF EFFECT ON BONE MARROW IN CHRONIC
IATION INJURY N63-23298 24-16

ECT OF HOMOLOGOUS BONE MARROW TRANSPLANTATION
CERTAIN REACTIVITY INDICES AND SURVIVAL OF
HALLY IRRADIATED RATS N63-23299 24-16

EPTION OF IONIZING RADIATION BY ORGANISMS
N63-23300 24-16

RECENT USSR DEVELOPMENTS IN METEOROLOGY
JPRS-21242 N63-23328 24-21

ZONAL, MERIDIONAL, AND GENERAL ATMOSPHERIC
CIRCULATION INDICES & METEOROLOGICAL EFFECTS
N63-23329 24-21

LEVEL AND NATURE OF TERRESTRIAL ATMOSPHERE
N63-23330 24-21

DESIRABILITY OF STRATOSPHERIC SOUNDING BY AIRCRAFT
N63-23331 24-21

ELECTRICAL MEASUREMENT OF AEROPHYSICAL VALUES -
TEXTBOOK ON METEOROLOGY N63-23332 24-21

USES OF LITHIUM - BIBLIOGRAPHY
RSIC-71 N63-23351 24-18

USSR DEVELOPMENT OF POWDER METALLURGY
JPRS-21546 N63-23354 24-18

EFFECTIVENESS OF ELECTRIC SLEEP TREATMENT IN
CERTAIN OCCUPATIONAL DISEASES
JPRS-21712 N63-23492 24-16

WEATHER FORECASTING, PHYSICS AND STUDIES OF UPPER
ATMOSPHERE
JPRS-21412 N63-23547 24-01

WEATHER FORECASTING AND ATMOSPHERIC STUDIES WITH
IMPROVED RELIABILITY N63-23548 24-21

PHOTOCHEMISTRY IN UPPER ATMOSPHERE AND ATMOSPHERIC
RADIATION N63-23549 24-12

MATHEMATICAL PROGRAMMING AND USE OF COMPUTERS
JPRS-21006 N63-23553 24-20

MICROPHYSICAL MECHANISMS OF RAIN FORMATION IN
WARM CLOUDS
JPRS-21495 N63-23604 24-21

CRYSTAL GROWTH MECHANISM AND TRANSITIONAL
BOUNDARY LAYER
JPRS-21398 N63-23605 24-11

INTERNAL OSCILLATIONS OF RECTANGULAR AND
CYLINDRICAL THREE DIMENSIONAL RESONATORS WITH
GRATE PARTITION
JPRS-21550 N63-23606 24-09

LOGICO-MATHEMATICAL STUDY OF NEURONAL NETS AND
NEURON FUNCTION LEADING TO PAUCINEURONAL LEARNING
SYSTEMS - CYBERNETICS
JPRS-21605 N63-23607 24-16

NICKEL ANISOTROPY CONSTANT DEPENDENCE ON
TEMPERATURE AND SATURATION MAGNETIZATION
JPRS-21676 N63-23608 24-18

FOUR-DAY SPACE FLIGHT OF VOSTOK III
N63-23675 24-30

SUBSURFACE HEAT OF EARTH FOR INDUSTRIAL PURPOSES
JPRS-21670 N63-23695 24-12

MYCROPHYSICAL MECHANISMS OF RAIN FORMATION IN
WARM CLOUDS
JPRS-21691 N63-23696 24-21

QUANTATIVE SPECTROGRAPHIC DETERMINATION OF
ELEMENTS IN SOLUTION USING ATOMIZER & SPARK
ANALYSIS
RSIC-78 N63-23716 24-18

GUIDANCE SYSTEMS AND CONTROL PROCESSES FOR
TRANSFER OF INFORMATION - CYBERNETICS
JPRS-21448 N63-23721 24-16

EFFECT OF AIR MOISTURE ON CONVECTIVE CURRENTS IN
CLOUDLESS ATMOSPHERE
JPRS-21721 N63-23772 24-21

JOLIET METALLURGICAL LABS., INC., ILL.
LONG-TIME CREEP DATA ON STRUCTURAL SHEET METALS
SUCH AS AM350 STAINLESS STEEL & TI-8AL-1MO-IV
ALLOY N63-19433 19-33

JUNKERS FLUGZEUG- UND MOTORENWERKE A.G.,
MUNICH /W. GERMANY/.
IMPELLER ADJUSTMENT IN AXIAL COMPRESSORS
WGL PAPER-62 N63-10057 01-03

TURBOMACHINES - MEASUREMENTS OF FLOW CONDITIONS IN TWO-STAGE AXIAL FLOW COMPRESSOR
N63-20874 21-02

K

KAISER AIRCRAFT AND ELECTRONICS, PALO ALTO, CALIF.
ANALYSIS OF KAISER-AIKEN CATHODE RAY TUBE, ELECTROMECHANICAL CONTACT-ANALOG GENERATOR AND CROSS-GRID-DISPLAY N63-18227 17-09

KAMAN AIRCRAFT CORP., BLOOMFIELD, CONN.
HELICOPTER DESIGN - ROTORS, DRIVE SYSTEMS, LANDING GEARS, AIRFRAME & CONTROL SYSTEMS
N63-20356 20-04

AERODYNAMICS AND DYNAMIC LOADS OF HELICOPTER ROTOR SYSTEMS N63-21827 22-04

DYNAMIC TORSIONAL PROBLEMS IN VTOL DRIVE TRAINS WITH UNIVERSAL JOINTS N63-21841 22-04

KAMAN AIRCRAFT CORP., COLORADO SPRINGS, COLO.
TWO POINT VARIABILITY OF WIND
AFCRL-62-889 N63-13265 07-21

METAL PARTICLE CONTENT IN LUBRICATING OIL - METHODS OF ANALYSIS
KN-676-1/PR/ N63-18623 17-06

ION-ION AND ELECTRON-ION RECOMBINATION
KN-674-63-7/R/ N63-22244 23-23

KANSAS STATE U., MANHATTAN.
MANNED SPACE FLIGHT PERCEPTUAL PHENOMENA THEORIES - VISUAL PERCEPTION PROBLEM
N63-19248 18-14

STRUCTURAL DESIGN OF ROCKETS - GAMMA HEATING IN NUCLEAR ROCKETS N63-22322 23-27

KANSAS U., LAWRENCE.
HEAT TRANSFER BETWEEN A FLAT PLATE AND A PULSATING IMPINGING JET
AROD-2327-2 N63-18906 18-13

THERMOLUMINESCENCE AND GEOCHEMISTRY OF CALCIUM CARBONATE IN RELATION TO RADIOACTIVE IMPURITY CONTENT N63-19648 19-25

CHROMIUM-51 NUCLEAR ORIENTATION IN CERIUM MAGNESIUM NITRATE SINGLE CRYSTALS
N63-19810 19-25

KAROLINSKA INSTITUTET, STOCKHOLM /SWEDEN/.
HYPOXIA IN HUMANS SUBJECTED TO LONG PERIODS OF POSITIVE G-FORCE ACCELERATION
AMRL-TDR-62-137 N63-18089 16-16

KAROLYI METROPOLITAN HOSPITAL, BUDAPEST /HUNGARY/.
CHRONIC LEUKEMIA COMPLICATED BY HEMOLYSIS AND DEFIBRINATION SYNDROMES AFTER RADIATION TREATMENT
N63-18970 18-16

KAZAN STATE U. /USSR/.
METEORS - RADIO ECHO OBSERVATION IN INTERNATIONAL GEOPHYSICAL YEAR N63-16635 14-05

MASS LOSS OF GIACOBINI-ZINNER COMET AND DRACONID METEOR SYSTEM N63-16662 14-05

KELLETT AIRCRAFT CORP., WILLOW GROVE, PA.
AERODYNAMIC DESIGN OF PROPELLERS AND DUCT SYSTEMS FOR ANNULAR JET GROUND EFFECT MACHINES
N63-15088 11-03

HELICOPTER-FUSELAGE-MOUNTED STATIC ELECTRICITY DISCHARGER
TCREC-TR-62-93 N63-17102 15-06

DISCHARGE OF HELICOPTER STATIC ELECTRICITY - CORONA DISCHARGE PROBES
TCREC-TR-62-33 N63-17568 16-04

DETERMINATION OF OPTIMIZED PROPELLERS FOR GROUND EFFECT MACHINES
TRECOM-TR-63-16 N63-20119 20-03

KELSEY-HAYES CO., ROMULUS, MICH.
DESIGN AND EVALUATION OF PERFORATED ION EMITTERS - ELECTRON BEAM WELDING AND CHEMICAL PHOTO-ETCHING
ASD-TDR-63-750 N63-22400 23-27

KENTUCKY U., LEXINGTON.
MAINTAINING THERMAL BALANCE IN MAN
AAL-TDR-62-24 N63-17193 15-16

THREE BODY PROBLEM ZERO VELOCITY CURVES - EULER TWO CENTER PROBLEM BY GRAPHICAL ANALYSIS - GUIDANCE SYSTEMS N63-18695 17-29

AMBIENT TEMPERATURE EFFECT ON RELATION BETWEEN SKIN TEMPERATURE AND BLOOD FLOW IN RABBIT EARS
AAL-TDR-62-45 N63-19237 18-16

KERNFORSCHUNGSZENTRUM, KARLSRUHE /W. GERMANY/.
SHOCK WAVE EFFECTS ON GENERATION OF HIGH INFENSITY MOLECULAR BEAMS BY NOZZLES N63-21583 22-11

KHARKOV POLYTECHNICAL INST. /USSR/.
IONIZATION IN METEOR TRAILS - RADIO ECHO OBSERVATION N63-16629 14-05

METEORS - RADIO ECHO OBSERVATION IN INTERNATIONAL GEOPHYSICAL YEAR N63-16635 14-05

ORBITS OF METEOR STREAMS DETERMINED BY RADIO-ECHO TECHNIQUES N63-16636 14-05

KIEL U. /W. GERMANY/.
QUANTITATIVE SPECTROSCOPIC TEMPERATURE DETERMINATION OF PLASMAS
ARL-62-460 N63-21786 22-24

KIEV U. /USSR/.
DELTA-AQUARID METEOR STREAM N63-16661 14-05

P-ANALYTIC FUNCTION IN AXIAL SYMMETRY THEORY OF ELASTICITY
RSIC-45 N63-20666 20-33

KIROV /S. M./ TOMSK POLYTECHNIC INST. /USSR/.
ELECTRIC BREAKDOWN OF SOLID DIELECTRICS - COLLISION IONIZATION N63-13621 08-23

KIRUNA GEOPHYSICAL OBSERVATORY /SWEDEN/.
IONOSPHERIC ABSORPTION OF RADIO WAVES - COSMIC NOISE METHOD - MAGNETOIONIC THEORY
AFCRL-62-1044 N63-10119 01-28

AURORAL ZONE SATELLITE SCINTILLATION STUDIES
AFCRL-62-1054 N63-13688 08-12

EMISSION SPECTRUM, DIURNAL VARIATION AND CAVITY RESONANCE - FREQUENCY VARIATION OF RADIO NOISE AT HIGH LATITUDE
AFCRL-63-475 N63-17132 15-12

SYSTEM FOR AUTOMATIC COLLECTION AND PROCESSING OF GEOMAGNETIC DATA - CALCULATION OF POWER SPECTRUM
AFCRL-63-635 N63-17720 16-15

IONOSPHERIC ABSORPTION EFFECT ON VERY LOW FREQUENCY RADIO WAVE PROPAGATION AT HIGH LATITUDES
AFCRL-63-856 N63-20918 21-09

KIRUNA GEOPHYSICAL OBSERVATORY AURORAL PHOTOMETER
AFCRL-63-987 N63-22641 23-12

KITT PEAK NATIONAL OBSERVATORY, TUCSON, ARIZ.
ASTRONOMY RESEARCH IN STELLAR AND SOLAR OBSERVATORIES N63-20727 21-05

BALLOON FLIGHT SPECTROGRAPHIC STUDIES OF DAY AIRGLOW N63-22088 22-12

KITTELL-LACY, INC., EL MONTE, CALIF.
EFFECT OF NOISE SUPPRESSION DEVICES ON TURBOJET ENGINE TESTING AND TURBOJET AIRCRAFT RUN-UP GROUND OPERATION - TEST FACILITY CALIBRATION
AMRL-TDR-62-134 N63-16274 13-04

KODAIKANAL OBSERVATORY /INDIA/.
DISTRIBUTION OF SUNSPOT ACTIVITY IN LONGITUDE FOR SIX SOLAR CYCLES N63-15316 12-28

KONINKLIJKE NEDERLANDSE VERENIGING VOOR LUCHTVAART. THE HAGUE /NETHERLANDS/.
EARTH ORBITAL RENDEZVOUS BY REMOTE RADIO CONTROL FROM THE EARTH N63-18922 18-29

KONKOLY OBSERVATORY, BUDAPEST /HUNGARY/.
VIBRATION MODES AND RESONANT VIBRATION OF BETA CEPHEI AND BETA CANIS MAJORIS - STAR N63-17697 16-29

PROBABLE SUPERNOVA - SUPERNOVA IN GALAXY NGC 4178 N63-17796 16-05

DISCOVERY, LUMINOSITY, AND SPECTRAL TYPE OF NOVA URSAE MINORIS 1956 N63-17797 16-05

NOVA URSAE MINORIS 1956 - GALACTIC NOVA N63-17877 16-05

STAR - NOVA OR SUPERNOVA N63-17878 16-05

DISCOVERY OF NEW VARIABLE STAR WITH UNUSUAL VARIABILITY PERIOD /S 7901 CYGNI/ N63-17879 16-05

TABLE OF NEW VARIABLE STARS N63-17880 16-05

VARIABLE STAR OBSERVED WITH PHOTOELECTRIC PHOTOMETER AND TELESCOPE - SPECTROGRAM N63-17881 16-05

POSSIBILITY OF HYPER-STAR AS LUMINOUS SOURCE IN LIGHT VARIATION OF RADIO SOURCE 3C273 - VARIABLE STAR N63-19768 19-05

KOPPERS CO., INC., BALTIMORE, MD.
LIQUID COOLANT LUBRICANTS FOR HIGH TEMPERATURE ROTATING SHAFTS N63-17855 16-17

KUYBYSHEV /V. V./ STATE U., TOMSK /USSR/.
DIELECTRIC LOSSES IN MICA AFTER HEAT TREATMENT AND UNDER VACUUM N63-13620 08-23

EFFECT OF GAMMA RADIATION ON DIELECTRIC LOSSES IN MICA N63-13622 08-23

KYOTO U. /JAPAN/.
ATMOSPHERIC MODEL OF WHITE DWARF STARS N63-15514 12-05

NONCOHERENT SCATTERING IN INHOMOGENEOUS, SEMI-INFINITE ATMOSPHERE N63-16195 13-05

INTEGRAL EQUATION FOR NONCOHERENT SCATTERING FUNCTION OF BLENDED LINES UTILIZING AMBARZUMIAN TECHNIQUE N63-16196 13-05

FUNCTIONAL ANALYSIS OF RESOLVENT OF AUXILIARY EQUATION FOR NONCOHERENT SCATTERING N63-16197 13-05

HEAT BALANCE ON MARS SURFACE - MARS ATMOSPHERE - SOLAR RADIATION ABSORPTION N63-16198 13-29

OPTICAL THICKNESS OF PLANETARY NEBULAE AND TEMPERATURE OF CENTRAL STARS N63-16199 13-05

ATMOSPHERES OF SUPERGIANT STARS N63-16200 13-05

NEW DESCRIPTION OF STRANGENESS-CHANGING WEAK INTERACTIONS
RIFP-26 N63-20400 20-23

PHASE SHIFT ANALYSIS OF PROTON-PROTON SCATTERING OF DIFFERENTIAL CROSS SECTION & SPIN-ORBIT FORCE
RIFP-29 N63-20972 21-23

L

LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES /FRANCE/.
PHOTOMAGNETOELECTRIC EFFECT IN GRADED-GAP GERMANIUM SEMICONDUCTORS
AFCRL-63-226 N63-13682 08-25

LABORATOIRE D AEROTHERMIQUE DU C.N.R.S., BELLEVUE /FRANCE/.
FLOW OF RAREFIED GAS OVER OBSTACLES OF SMALL DIMENSIONS ENVISIONED USING NETWORK OF FINE WIRES N63-21604 22-11

LABORATOIRE D INFRA-ROUGE TECHNIQUE ET APPLIQUE, GIF-SUR-YVETTE /FRANCE/.
EDGE EMISSION OF CADMIUM SULFIDE BOMBARDMENT BY ELECTRONS N63-10761 02-23

LABORATOIRE DE PHYSIQUE THEORIQUE ET DES HAUTES ENERGIES, ORSAY /FRANCE/.
K-GENERATION BY RHO-MESON EXCHANGE - NUCLEAR RESONANCE N63-14337 10-23

THEORY OF CLASSICAL FLUIDS - PERCUS METHOD DERIVATION OF INTEGRAL EQUATIONS N63-14581 10-11

INTERACTIONS OF COLLISION-PRODUCED PARTICLES - COMPETITION AMONG RESONANCES N63-16231 13-23

THEORY OF PERTURBATION EXPANSION OF MASSES AND ELECTROMAGNETIC QUANTITIES WITHIN UNITARY SYMMETRY N63-16523 14-24

OCTET MODEL AND WEAK ELECTROMAGNETIC INTERACTIONS, LIE GROUP - MATHEMATICAL MODELS N63-16898 14-20

CALCULATION OF PARTICLE /RESONANCE/ MASS AND LIFETIME - QUANTUM MECHANICS N63-18258 17-23

RELATIVISTIC WAVE FUNCTION IN CALCULATION OF ELASTIC ELECTRON - DEUTERON SCATTERING N63-19636 19-09

ITERATION METHODS FOR PARTICLE RESONANCE CALCULATIONS N63-20066 20-23

POLARIZATION EFFECTS IN LEPTON-PROTON ELASTIC SCATTERING CALCULATED USING ISOBARIC MODEL N63-23398 24-23

LABORATOIRE MEDITERRANEEN DE RECHERCHES THERMODYNAMIQUES, NICE /FRANCE/.
CHARGE AND MOMENTUM EXCHANGE BETWEEN IONS AND MOLECULES IN DEVELOPING HIGH SPEED MOLECULAR BEAMS N63-21577 22-24

GAS DYNAMICS - REVOLVING DISKS IN STUDY OF INTERACTION BETWEEN MOLECULES AND SURFACE N63-21578 22-25

LABORATORY FOR CLINICAL PHYSIOLOGY, CHICAGO, ILL.
HYPERTENSION AS A HEREDITARY DISORDER - EDUCATIVE TECHNIQUE AS A MEANS OF LOWERING BLOOD PRESSURE N63-18956 18-16

LADISH CO., CUDAHY, WIS.
EFFECT OF MELTING PROCESS ON TRANSVERSE DUCTILITY OF H-11 STEEL AT HIGH STRENGTH LEVELS
ASD-TR-7-678/III/ N63-15177 11-17

EFFECTS OF MELTING PROCESS ON TRANSVERSE DUCTILITY OF H-11 STEEL AT HIGH STRENGTH LEVELS
ASD-TR-7-678/II/ N63-15255 12-18

DEVELOPMENT AND STATISTICAL ANALYSIS EVALUATION OF MELTING AND TRANSVERSE PROPERTIES OF HIGH STRENGTH H-11 TYPE STEEL
ASD-TR-7-678/IV/ N63-16901 14-18

LAND-AIR, INC., HOLLOMAN, N. MEX.
AIRBORNE FLASHING LIGHT BEACON N63-15959 13-15

LANGUAGE SERVICE BUREAU, INC., WASHINGTON, D.C.
THEORY OF STABILITY OF MOTION - LIAPUNOV THEORY
AEC-TR-3352 N63-13212 07-23

LANKENAU HOSPITAL, PHILADELPHIA, PA.
CIRCULATORY AND METABOLIC EFFECTS OF PROLONGED INACTIVITY ON HUMAN BODY
AMRL-TDR-63-37 N63-19512 19-16

LASARETTET, OREBRO /SWEDEN/.
BIOMECHANICAL PROBLEMS OF THE LUMBAR SPINE - HUMAN

TOLERANCE, IMPACT, ACCELERATION STRESS, SPINAL FRACTURE N63-12848 07-16

LEAR SIEGLER, INC., GRAND RAPIDS, MICH.
PILOT AND CONTROL DISPLAY SYSTEM TO FLY C-131B AND KC-135 AIRCRAFT IN KEPLERIAN TRAJECTORY TO CREATE ZERO-GRAVITY FLIGHT CONDITIONS
AMRL-TDR-63-11 N63-15353 12-04

LEAR SIEGLER, INC., SANTA MONICA, CALIF.
MICROELECTRONICS - THIN FILM APPROACH TO COMPLEX ELECTRONIC APPARATUS N63-17370 15-17

SEMICONDUCTOR THIN FILMS N63-22789 23-09

LEEDS U. /GT. BRIT./
COMBUSTION OF HYDRAZINE AND DIMETHYL HYDRAZINE, NITRIC OXIDE, NITROUS OXIDE AND OXYGEN N63-18514 17-26

ENERGY TRANSFER FROM HYDROGEN AIR FLAMES - MEASUREMENT OF HEAT FLUX NEAR REACTION ZONE USING CONDUCTIVITY TYPE HEAT FLOW METER N63-18525 17-26

FLAME ANALYSIS - PROPAGATION VELOCITY IN HYDROGEN-OXYGEN SUPPORT AT ATMOSPHERIC PRESSURE N63-18557 17-26

LEHIGH U., BETHLEHEM, PA.
ELASTIC AND PLASTIC STRAIN IMPULSE PROPAGATION IN SOLIDS
AROD-1325-16 N63-13661 08-33

BRACING REQUIREMENT OF PLASTICALLY DESIGNED WIDE-FLANGED STEEL BEAMS
FRITZ ENG. LAB.-205H.6 N63-15330 12-34

PLASTIC DESIGN IN HIGH STRENGTH STEEL - BIBLIOGRAPHY OF STRUCTURAL ANALYSIS
FRITZ ENG. LAB.-297.3 N63-15332 12-33

PREDICTIONS OF PHYSICAL PROPERTIES OF INORGANIC FLUID/INORGANIC SOLID GREASES FROM INORGANIC SOLID-ORGANIC LIQUID DISPERSION STUDIES N63-17843 16-17

TURBULENT SPOTS AND WALL ROUGHNESS EFFECTS IN SHOCK TUBE BOUNDARY LAYER TRANSITION N63-18382 17-11

PROPAGATION OF ELASTIC AND PLASTIC STRAIN PULSES IN BOUNDED SOLIDS
AROD-1325-17 N63-22745 23-23

LEIDEN U. OBSERVATORY /NETHERLANDS/.
VARIABLE STARS IN SCUTUM CONSTELLATION N63-16222 13-05

LESSELLS AND ASSOCIATES, INC., BOSTON, MASS.
ACOUSTIC EMISSION UNDER CYCLIC STRESS - FATIGUE N63-11325 03-23

ELECTRON BEAM HEAT SOURCE FOR HIGH TEMPERATURE MATERIALS TESTING FACILITY - ELECTRON GUN, POWER SOURCE, BEAM SWEEP ANGLE MODIFICATIONS N63-16067 13-10

LESSELLS AND ASSOCIATES, INC., WALTHAM, MASS.
ACOUSTIC PROPAGATION UNDER APPLIED STRESS
ASD-TDR-63-509, PT. 1 N63-21302 21-18

LEXINGTON LABS., INC., CAMBRIDGE, MASS.
MEASUREMENT OF THERMAL EXPANSION WITH DOUBLE CLAMSHELL ARC IMAGER
AFCRL-62-952 N63-12766 06-06

LIBRARY OF CONGRESS, WASHINGTON, D.C.
INTERNATIONAL MEETINGS ON SCIENCE, TECHNOLOGY, AGRICULTURE, AND MEDICINE - 1963 TO 1966 N63-12343 05-01

MATERIALS R&D - CHEMISTRY, BIOCHEMISTRY, MATERIALS SCIENCE, METALLURGY, AND SOLID STATE PHYSICS - ABSTRACTS N63-13213 07-01

MATERIAL SCIENCES - TEST METHODS, FATIGUE AND CORROSION - CHEMISTRY, ANALYSIS AND SYNTHESIS N63-13234 07-01

AEROSPACE MEDICINE AND BIOLOGY - BIBLIOGRAPHY ON PHYSIOLOGY, PSYCHOLOGY, PHARMACOLOGY, TOXICOLOGY, SAFETY, AND LIFE SUPPORT SYSTEMS N63-15258 12-16

NONUNIFORM TRANSMISSION LINE THEORY - RADIO COMMUNICATION N63-19461 19-08

NONHOMOGENEOUS TRANSMISSION LINE SYNTHESIS BASED ON FREQUENCY CHARACTERISTICS N63-19462 19-08

LICHTKLIMATISCHES OBSERVATORIUM, AROSA /SWITZERLAND/.
VERTICAL OZONE DISTRIBUTION AT AROSA, SWITZERLAND
AFCRL-63-659 N63-17597 16-12

LIEGE U. /BELGIUM/.
MIE SCATTERING FUNCTION FOR SPHERICAL PARTICLES APPLIED TO THE CONTINUUM OF COMETS - REFRACTIVE INDEX, INTENSITY, AND POLARIZATION
AFCRL-63-233 N63-13684 08-23

PHYSICS OF PLANETS - INTERNAL STRUCTURE, SURFACES, AND ATMOSPHERES - MERCURY, VENUS, MARS, JUPITER, AND SATURN
AFCRL-63-457 N63-16280 13-23

SPECTRAL ANALYSIS OF COMETARY, SOLAR, AND UPPER ATMOSPHERIC PROCESSES
AFCRL-63-648 N63-17540 16-05

MICROMETEORITE COLLISIONS WITH NEEDLES OF WEST FORD PROJECT
AFCRL-63-649 N63-17588 16-29

LILLE U. /FRANCE/.
CALCULATION OF REAL VALUES OF LINEAR COLLISION OPERATORS IN BOLTZMANN EQUATION FOR SLIGHTLY IONIZED GAS N63-21570 22-24

LINCOLN LAB., MASS. INST. OF TECH., LEXINGTON.
RADAR METHODS OF STUDYING THE EARTHS IONOSPHERE N63-10226 01-12

RADAR STUDIES OF PLANETARY SURFACES N63-10227 01-12

RADAR METHODS OF STUDYING PLANETARY SURFACES N63-10228 01-05

RADAR MEASUREMENTS IN THE SOLAR SYSTEM - ASTRONOMICAL UNIT N63-10229 01-05

DESIGN OF DETECTOR CIRCUITS USING SEMICONDUCTOR DIODES N63-10475 01-09

AN ACQUIRABLE CODE FOR RANGE MEASUREMENT OF SPACECRAFT N63-10476 01-20

TIME OPTIMAL VELOCITY CONTROL OF A ROTATING SPACE BODY - GIMBALLED CONTROL
MS-703 N63-11422 03-32

FUEL-OPTIMAL CONTROL OF DOUBLE INTEGRAL PLANT WITH RESPONSE TIME CONSTRAINT
MS-770 N63-11851 04-09

OPTIMAL CONTROL OF SELF-ADJOINT SYSTEMS - ANGULAR VELOCITY CONTROL OF TUMBLING SPACECRAFT
MS-709 N63-12842 07-09

REENTRY TRAJECTORY CALCULATION, FLOW FIELD ABOUT BLUNTED NINE-DEGREE CONE
GASL-TR-256 I N63-13452 08-02

FLOW FIELD OF BLUNTED 9-DEGREE CONE - DOWNSTREAM AND SHOCK LAYER INVISCID FLOW AND FAR WAKE LAMINAR FLOW OF TRAILBLAZER II REENTRY BODY
GASL-TR-256 II N63-13453 08-02

LAMINAR WAKE PROPERTIES INCLUDING CHEMICAL-DIFFUSIVE COUPLING
GASL-TR-282 N63-13454 08-07

SUPERSONIC FLOW FIELD OF AN AEROBALLISTIC PELLET - VELOCITY, PRESSURE, WAKE AND RATE CHEMISTRY EFFECTS ON ELECTRON DENSITY - COMPUTER PROGRAM
GASL-TR-292 N63-13455 08-07

ATE CHEMISTRY EFFECTS ON HYPERSONIC FLOW OF
XISYMMETRIC WAKES
ASL-TR-180 N63-13476 08-07

ROGRAMMING CHEMICAL KINETICS FOR INVISCID AIR
LOW ABOUT BLUNT BODY AT HYPERSONIC SPEED
ASL-TR-246 N63-13478 08-11

MPROVED HYPERSONIC LAMINAR WAKE CALCULATIONS
NCLUDING RATE CHEMISTRY - COMPUTER PROGRAMS
ASL-TR-249 N63-13479 08-11

FFECTS OF LAMINAR BOUNDARY LAYER ON STRUCTURE OF
LOW FIELD - EQUILIBRIUM
ASL-TR-182 N63-13483 08-11

LOCK ERROR RATES AND ERROR DISTRIBUTIONS FOR
IGITAL DATA TRANSMISSION OVER TELEPHONE AND
ELETYPE CIRCUITS N63-13530 08-20

PACE COMMUNICATION - PROPAGATION AND NOISE IN
ADIO-WAVE SPECTRUM - TELEMETRY TRANSMISSION
NTERFERENCE REDUCTION N63-13858 09-08

ADIO PHYSICS - RESEARCH AND DEVELOPMENT
N63-14658 10-08

ESCRIPTION OF CODE BIPHASE DATA TRANSMISSION
ODEM - TELEPHONE CIRCUITS FOR DIGITAL DATA
RANSMISSION N63-14992 11-20

YCLOTRON RESONANCE AND MAGNETO-OPTICAL EFFECTS IN
EMICONDUCTORS N63-14994 11-25

HOTOGRAPHIC TRACKING OF HYPERSONIC TRAILBLAZER
EENTRY VEHICLE
FESD-TDR-62-117 N63-15074 11-30

ADIO PHYSICS - RADIO PROPAGATION, PLASMA PHYSICS,
OMMUNICATIONS, SURVEILLANCE, AND ANTENNAS
FESD-TDR-62-116 N63-15973 13-08

LECTROMAGNETIC WAVE SCATTERING - PLASMA DENSITY
ROFILE - SCATTERING AND ABSORPTION CROSS SECTIONS
FESD-TDR-62-249 N63-16875 14-24

IGH ALTITUDE EQUATORIAL COMMUNICATION SATELLITE
YSTEM DISPENSING VELOCITY N63-17424 15-08

UNEBURG LENS - A PASSIVE REFLECTOR FOR SATELLITE
OMMUNICATION N63-17451 15-20

IBLIOGRAPHY - RADAR ASTRONOMY
O-294683 N63-17509 16-05

OVIET UNION BOOKS ON RADIOTECHNOLOGY AND
LECTRONICS - BIBLIOGRAPHY N63-17631 16-01

ROUND AND AIRBORNE RADOMES - BIBLIOGRAPHY
N63-17632 16-08

ONTROL OF COMPUTER RELIABILITY WITH REDUNDANT
YSTEMS N63-19428 19-09

ADIO PHYSICS - RADIO PROPAGATION AND ANTENNAS,
ND TECHNIQUES OF COMMUNICATION AND SURVEILLANCE
N63-20378 20-08

NTERMODULATION INTERFERENCE IN MULTITRANSMITTER-
ULTIRECEIVER ENVIRONMENT
ASA-CR-50916 N63-21061 21-09

ATA SYSTEMS USING DIGITAL COMPUTERS, MAGNETIC
ILMS, COMPUTER COMPONENTS, AUTOMATIC SPEECH
ECOGNITION, & HUMAN INFORMATION PROCESSES
N63-21282 21-20

EDUCTION OF COMPUTATIONAL AND DATA TRANSMISSION
EQUIREMENTS FOR TRAJECTORY ESTIMATION USING
ULTIPLE SITES - TRAJECTORY MEASURING SYSTEM
LT-22G-10 N63-21292 21-04

URVEILLANCE TECHNIQUES, RADIO PROPAGATION AND
ASMA PHYSICS - RESEARCH AND DEVELOPMENT REPORT
N RADIO PHYSICS N63-21297 21-09

ROUND RADAR TRACKING SUPPLEMENTATION OR BACK-UP
ON-BOARD NAVIGATION AND GUIDANCE SYSTEMS OF
PACECRAFT IN LUNAR ORBIT
NASA-CR-50944 N63-21430 22-08

AZIMUTH AND ELEVATION MEASURING CAPABILITY OF
SINGLE GROUND-BASED RADAR - EFFECT ON RADAR
CAPABILITY TO ESTIMATE VEHICLE TRAJECTORY IN ORBIT
NASA-CR-50943 N63-21431 22-08

COMPUTER PROGRAM TO CALCULATE ALL INTERMODULATION
PRODUCTS UP TO AND INCLUDING SIXTH ORDER FOR
MULTIPLE INPUT FREQUENCIES AND RECEIVER BANDWIDTHS
NASA-CR-50942 N63-21725 22-20

CODED BIPHASE DATA TRANSMISSION OVER COMBINATION
OF K-CARRIER, MICROWAVE AND SUBMARINE CABLE
N63-22083 22-09

ELECTROMAGNETIC FIELD AND QUANTUM MECHANICAL STATE
MEASUREMENTS WITH FOURIER TRANSFORM
N63-22941 23-09

OPTIMUM POWER DIVISION BETWEEN CHANNEL MEASUREMENT
AND INFORMATION TRANSFER FOR PHASE MODULATED
COHERENT COMMUNICATIONS SYSTEMS
N63-23350 24-08

F-REGION ELECTRON DENSITY PROFILES BY INCOHERENT
BACKSCATTER METHOD N63-23664 24-28

LINDE CO., INDIANAPOLIS, IND.
MEASUREMENT OF ARGON TRANSITION USING THERMAL ARC
PLASMA AS RADIATION SOURCE N63-11738 04-07

LINDE CO., TONAWANDA, N.Y.
MULTIPLE LAYER INSULATION - SANDWICH CONSTRUCTION
N63-16055 13-17

CRYOTRAPPING OF HELIUM & HYDROGEN DURING 20-DEG K
CONDENSATION OF GASES ON SOLID SURFACES - SPACE
CHAMBER APPLICATIONS
AEDC-TDR-63-127 N63-16547 14-11

CRYOGENIC TECHNOLOGY - SUPER INSULATION FOR SPACE
APPLICATIONS - PRODUCTION OF SOLID HYDROGEN FUEL
N63-17907 16-23

LINFIELD RESEARCH INST., MC MINNVILLE, ORE.
CESIUM COATED TUNGSTEN ELECTRODES, SURFACE
STABILITY, EVAPORATION RATES, VOLTAGE BREAKDOWN
N63-10999 02-23

LING-TEMCO-VOUGHT, INC., ANAHEIM, CALIF.
HIGH INTENSITY SONIC TEST TECHNIQUE FOR VEHICLE
STRUCTURAL RESPONSE ANALYSIS - STRUCTURAL FATIGUE
PREDICTION IN ACOUSTIC ENVIRONMENT
N63-16764 14-34

GEMINI SPACECRAFT ESCAPE SYSTEMS - ABORT APPARATUS
N63-23228 24-32

LING-TEMCO-VOUGHT, INC., DALLAS, TEX.
THERMODYNAMIC PROPERTIES OF HIGH TEMPERATURE
NITROGEN N63-15069 11-24

LIQUID METALS, INC., WESTFORD, MASS.
MAGNETOHYDRODYNAMIC FLOW IN ELECTROMAGNETIC
PUMPING OF LIQUID METALS N63-15259 12-27

LISBON U. /PORTUGAL/.
BASIC ATMOSPHERIC PROCESSES AND THEIR COUNTERPARTS
IN CELESTIAL MECHANICS N63-19568 19-05

LITTLE /ARTHUR D./ INC., CAMBRIDGE, MASS.
PYROLYTIC REFRACTORY MATERIALS FOR SOLID-FUEL
ROCKET ENGINE - VAPOR DEPOSITION
WAL-TR-766.41/2-3 N63-11441 03-27

ELECTRICAL NETWORK FOR ASSOCIATIVE INFORMATION
RETRIEVAL USING TREE PATTERN
ACORN-24 N63-13074 07-09

EXPLOSIVE SYSTEM FOR ACCELERATING A METAL PELLET
OF NICKEL-IRON
AFCRL-63-246 N63-13523 08-26

THERMAL PROPERTIES OF HIGH TEMPERATURE INSULATION
MATERIALS - CONDUCTIVE AND RADIATIVE HEAT TRANSFER
THEORY AND TESTS
C-64694 N63-13828 09-19

RESULTS OF SURVEY ON PROPOSED LABORATORY USES OF SUPERCONDUCTING MAGNETS N63-14368 10-23

RESEARCH ON THERMODYNAMICS OF AL-B-O AND BE-B-O SYSTEMS N63-14502 10-23

THERMAL PROPERTIES OF HIGH TEMPERATURE INSULATING MATERIALS
C-646943 N63-14891 11-19

THERMAL PROPERTY AND HEAT TRANSFER IN HIGH TEMPERATURE INSULATING MATERIALS
C-646942 N63-14946 11-15

ELECTROLYSIS AND LIQUEFACTION OF WATER OF MOON N63-14987 11-29

REFRACTORY METAL ALLOYS OF PYROLYTIC GRAPHITE FOR SOLID PROPELLANT ROCKET ENGINE COATING
WAL-TR-766.41/3 N63-15352 12-27

FAILURE OF METAL RING STRUCTURES AT HIGH STRAIN RATE - UNIFORM ELONGATION
WAL-TR-111.2/20-1 N63-15383 12-18

DEVELOPMENT OF PYROLYTIC REFRACTORY MATERIALS FOR SOLID-FUELED ROCKET ENGINES
WAL-TR-766.41/2-2 N63-15667 12-27

KINETICS OF OXIDATION OF REFRACTORY METALS AND ALLOYS BETWEEN 1000 AND 2000-DEG C - METAL CARBIDES, COPPER, MOLYBDENUM SILICIDES
ASD-TDR-62-203, PT. II N63-15880 13-18

ADAPTIVE MODIFICATION OF LINEAR ASSOCIATIVE INFORMATION RETRIEVAL MAPPINGS - ELIMINATION OF IRRELEVANT DOCUMENTS USING MINUS VALUE INDEX TERMS
ACORN-23 N63-15956 13-20

CONFERENCE ON AERODYNAMICALLY HEATED STRUCTURES - THERMAL PROTECTION AND STRUCTURAL ENGINEERING
AD-282454 N63-16051 13-13

LIMITATION OF MULTILAYERED RADIATION SHIELD - HEAT CONDUCTION AND RADIATION TRANSFER IN METAL FOIL N63-16057 13-13

THERMOCONDUCTIVITY OF NONMETALLIC MATERIALS N63-16153 13-13

MOLECULAR BAND ABSORPTION IN THE VISIBLE SPECTRUM OF POTASSIUM AND SODIUM VAPORS IN HIGH TEMPERATURE ARC AND PLASMA SYSTEM
ARL-63-37 N63-17462 15-18

INFRARED INSTRUMENTATION FOR INFRARED BACKGROUND CLUTTER MEASUREMENT
SSD-TDR-63-146 N63-17528 16-15

RAMJET BAFFLE TYPE COMBUSTION CHAMBERS & TURBULENT FLOW STUDIES N63-18585 17-27

HIGH TEMPERATURE THERMODYNAMIC PROPERTIES OF LITHIUM OXIDE BY ELECTRIC DEFLECTION - POLARITY STUDY BY MASS SPECTROMETER
AROD-006-9 N63-19215 18-07

THERMODYNAMIC AND KINETIC DATA FOR DESCRIBING CHEMICAL PROPERTIES OF THE REFRACTORY MATERIALS, ZIRCONIUM AND HAFNIUM CARBIDES AND BORIDES
ASD-TDR-62-204,PT.II N63-19471 19-18

DOUBLE COMPOUND THERMAL IMAGING SYSTEM FOR DEVELOPING HIGH TEMPERATURE ELECTRONIC MATERIALS
C-63789 N63-20502 20-13

SATELLITE COOLING DEVICE FOR INFRARED DETECTOR ARRAYS AND SPACE RADIATORS
SSD-TDR-63-243 N63-20704 21-13

THERMAL PROPERTIES OF HIGH-TEMPERATURE INSULATION MATERIALS
ASD-TDR-63-574 N63-22592 23-13

LITTLE /ARTHUR D./ INC., SAN FRANCISCO, CALIF.
ATMOSPHERIC RADIATION - INFRARED REFLECTANCE OF HIGH ALTITUDE CLOUDS N63-18479 17-21

LITTON INDUSTRIES, SAN CARLOS, CALIF.
HIGH PERVEANCE, LARGE DIAMETER HOLLOW BEAMS GENERATED FROM MAGNETRON INJECTION AND ELECTROSTATIC GUNS N63-22234 23-09

LITTON SYSTEMS, INC., CANOGA PARK, CALIF.
PHASE-SHIFT KEYED DIGITAL DATA COMMUNICATION SYSTEM N63-19791 19-08

LITTON SYSTEMS, INC., SILVER SPRING, MD.
NUCLEAR MAGNETIC RESONANCE USAGE IN TUNABLE, VARIABLE BAND-PASS FILTERS
RADC-TDR-63-258 N63-22065 22-23

RECEIVER EMPLOYING NUCLEAR MAGNETIC RESONANCE FOR TUNING
RADC-TDR-63-399 N63-22429 23-09

LITTON SYSTEMS, INC., WALTHAM, MASS.
AUTOMATION OF SPEECH PROCESSING FOR VOICE COMMUNICATION
AFCRL-62-946 N63-12413 06-20

STATISTICAL INSTRUMENTATION STUDY - SIGNAL PROBABILITY ANALYZER
RADC-TDR-63-136 N63-17118 15-20

LITTON SYSTEMS INC., WOODLAND HILLS, CALIF.
EFFECT OF VARIATION IN REYNOLDS NUMBER AND SURFACE TEMPERATURE ON FOUR SURFACE PRESSURES ON SLIGHTLY BLUNTED CONE
ASD-TDR-62-360 N63-16259 13-02

LIVERPOOL U. /GT. BRIT./
DISLOCATION INTERSTITIAL BINDING ENERGIES, STRAIN AGING OF TANTALUM-OXYGEN ALLOY AND FLOW STRESS STUDIES TO DETERMINE YIELD IN REFRACTORY METALS N63-19660 19-18

DETERMINATION OF MASS, SHAPE, MOMENTS OF INERTIA, AND GRAVITATIONAL FIELD OF THE MOON N63-21617 22-29

LOCKHEED AIRCRAFT CORP., BURBANK, CALIF.
EARTHQUAKES AND CONSTRUCTION OF NUCLEAR REACTORS
TID-7024 N63-23176 24-12

LOCKHEED AIRCRAFT CORP., SUNNYVALE, CALIF.
RAIN EROSION EFFECTS ON AIRCRAFT AND MISSILE STRUCTURAL MATERIALS AND PROTECTIVE COATINGS AT SUBSONIC AND SUPERSONIC SPEEDS
SB-62-6 N63-20032 19-17

LOCKHEED AIRCRAFT SERVICE, INC., ONTARIO, CALIF.
PERFORMANCE AND ABORT CONSIDERATIONS AFFECTING SELECTION OF INJECTION CONDITIONS FOR EARTH-MOON TRAJECTORIES N63-10374 01-29

LOCKHEED-CALIFORNIA CO., BURBANK.
PERFORMANCE AND ABORT CONSIDERATIONS AFFECTING SELECTION OF INJECTION CONDITIONS FOR EARTH-MOON TRAJECTORIES N63-10374 01-29

SHELL STABILITY IN MISSILES AND SPACE VEHICLES N63-10808 02-34

TECHNIQUES AVAILABLE FOR SHELL STRUCTURE INSTABILITY PREDICTION N63-10859 02-33

HYPERSONIC AERODYNAMIC LOADS ON REENTRY GLIDE VEHICLES N63-11073 03-33

INFLUENCE OF GEOMETRIC ATTENUATION OF HYDRO-MAGNETIC WAVES ON SUDDEN COMMENCEMENT OF MAGNETIC STORMS
LR-16085 N63-11135 03-12

SPACECRAFT ORGANIZATION - STUDY OF EXPANDABLE STRUCTURES FOR AEROSPACE APPLICATION
LR-16654 N63-15860 13-34

RADIATION EFFECTS ON BIOLOGICAL SYSTEMS - MECHANISM OF RADIATION EFFECTS ON CELLS - RADIOBIOLOGY N63-19489 19-16

ANALYTICAL METHOD FOR DOSE RATE DETERMINATION IN ABSORBER SYSTEMS EXPOSED TO SPACE RADIATION N63-19490 19-28

SUBSONIC AIR-AIR EJECTORS AND JET THRUST AUGMENTORS
N63-20040 19-11

DYNAMIC LOADS IN RIGID HELICOPTER ROTOR FROM FULL-SCALE WIND-TUNNEL TESTS
N63-21824 22-04

FABRICATION OF SPACE ERECTABLE STRUCTURES FROM SUPERALLOYS, REFRACTORY MATERIALS, AND NONMETALLIC MATERIALS
N63-23211 24-33

PROJECTED NASA SPACE PROGRAMS FOR 1962-1975
N63-23588 24-01

OCKHEED ELECTRONICS CO., PLAINFIELD, N.J.
THREE-DIMENSIONAL DISPLAY SYSTEM WITH NITROGEN-QUENCHED MERCURY VAPOR & ACOUSTIC WAVE SCANNING
RADC-TDR-63-202 N63-20828 21-06

INSTRUCTIONS AND PROGRAM FOR CHECKOUT AND MAINTENANCE TRAINER
AMRL-MEMO-P-39 N63-23158 24-08

OCKHEED-GEORGIA CO., MARIETTA.
BIBLIOGRAPHY - AIRCRAFT DESIGN
N63-15099 11-34

EFFECT OF NUCLEAR RADIATION ON MATERIALS AT CRYOGENIC TEMPERATURE
ER-6047 N63-16548 14-24

DYNAMIC LOADS PROBLEMS OF V/STOL AIRCRAFT OF CONVENTIONAL STRUCTURAL DESIGN
N63-20358 20-04

SONIC FATIGUE FACILITY - SIREN PROGRAMMING, NOISE SPECTRA, AND EXPERIMENT PLANS
ASD-TDR-63-674 N63-22486 23-33

OCKHEED MISSILES AND SPACE CO., PALO ALTO, ALIF.
TRENDS IN MISSILE AND SPACE RADIO TELEMETRY
WGL PAPER-4 N63-10003 01-08

SIMULATION OF MAP CORRELATION FOR BALLISTIC OR ORBITAL WEAPON TERMINAL CORRECTION
N63-10400 01-20

SPACECRAFT MATERIALS RELIABILITY PROGRAM
N63-10933 02-17

PERFORMANCE OF LUBRICANTS AND THERMAL CONTROL MATERIALS UNDER SIMULATED SPACE CONDITIONS
N63-10934 02-17

MANNED PLANETARY SPACE FLIGHT - MISSION ANALYSIS
IAS-PAPER-63-84 N63-12900 07-29

METEOROIDS AS POSSIBLE HAZARD TO SPACE VEHICLE OPERATIONS - BIBLIOGRAPHY
SB-63-1 N63-16275 13-30

NUCLEAR PROPULSION FOR ORBITAL LAUNCH VEHICLES FOR INTERPLANETARY FLIGHT
AIAA PAPER-63-256 N63-17801 16-31

RAREFIED GAS DYNAMICS - STEADY, AXISYMMETRIC, HYPERSONIC FLOW OF RAREFIED GAS PAST A SPHERE
N63-21596 22-11

OCKHEED MISSILES AND SPACE CO., SUNNYVALE, CALIF.
INFRARED DIFFRACTION PATTERN SCANNING
SSD-TDR-62-157 N63-10313 01-08

OXIDATION PROTECTION OF REFRACTORY METALS IN AEROSPACE APPLICATIONS
N63-10385 01-13

BERYLLIUM - STRENGTH, EFFICIENCY, DESIGN DATA, STRUCTURAL MATERIALS
ASD-TR-61-692 N63-10645 02-34

SHELL STABILITY IN MISSILES AND SPACE VEHICLES
N63-10808 02-34

VISCOUS BLUNT BODY PROBLEM - VORTICITY EQUATIONS - STAGNATION POINT HEAT TRANSFER
N63-11076 03-11

AGENA-B RANGER PROGRAM LAUNCH PAD DAMAGE REPORT FOR ATLAS/AGENA-B RANGER IV COMPLEX 12

SSQ-592-T62-1 N63-11180 03-31

SPECTRAL ABSORPTION COEFFICIENT OF HEATED AIR AND SLAB OF MOLECULAR OXYGEN
DASA-1348 N63-13058 07-23

FRICTION AND WEAR IN SPACE ENVIRONMENT AND LUBRICATION FOR SPACECRAFT MECHANISMS
N63-13457 08-17

THERMODYNAMIC PROPERTIES OF NITROGEN
N63-13663 08-23

ABSTRACTS ON SOLID STATE PROPERTIES OF BISMUTH AND TELLURIUM ALLOYS AND COMPOUNDS
SB-62-62 N63-13695 08-25

NITRYL CHLORIDE - CHEMICAL REACTIONS, PREPARATION, PURIFICATION, EXPLOSIVE PROPERTIES & USE IN PROPELLANTS & BINDERS - BIBLIOGRAPHY
SB-62-63 N63-14073 09-07

NEW CATHODE-ANODE COUPLES USING NONAQUEOUS ELECTROLYTES - STORAGE BATTERIES
ASD-TDR-62-837 N63-14522 10-06

FUNCTIONS OF COMPLEX VARIABLE INVOLVING PRODUCTS OF TRIGONOMETRIC FUNCTIONS SPACED AT REGULAR INTERVALS
LMSC-6-90-62-125 N63-14629 10-20

INTERPLANETARY FLIGHT - TRAJECTORIES
N63-14679 10-29

BIBLIOGRAPHY OF LUNAR PROPERTIES, GEOLOGY, SURFACE VEHICLE & BASES - PART III, LUNAR AND ARCTIC EXPLORATION AND HABITATION
SB-61-67 N63-14739 11-29

BIBLIOGRAPHY - HYDROGEN EFFECT ON ALUMINUM - WELDING
SB-62-68 N63-14828 11-18

SATELLITE-TO-SATELLITE PROPAGATION - EFFECTS OF IONOSPHERE ON RADIO FREQUENCY ELECTROMAGNETIC WAVES
AFCRL-63-4 N63-14858 11-08

APPLICATION OF RESIDUE TO DIGITAL COMPUTER PROGRAM - MODULAR PROGRAMMER
ASD-TDR-62-686 N63-14867 11-20

ANNOTATED BIBLIOGRAPHY OF COMPOSITE MATERIALS
SB-62-58 N63-14957 11-01

BIBLIOGRAPHY OF ERROR ANALYSIS IN AEROSPACE SYSTEM
SB-62-50 N63-14982 11-20

BIBLIOGRAPHY - COLD WELDING IN VACUUM - MATERIALS SCIENCE
SB-63-5 N63-15479 12-18

BIBLIOGRAPHY OF NONLINEAR ORDINARY DIFFERENTIAL EQUATIONS
SB-62-54 N63-15752 12-20

MAGNETIC REVERSIBLE COUNTER WITH DIGITAL-TO-ANALOG CONVERSION
LMSC-6-90-63-29 N63-15825 13-09

DIFFRACTION PATTERN ANALYSIS OF RECTANGULAR APERTURE IN PRESENCE OF ABERRATION - PART I, DERIVATION OF GENERAL SOLUTION
LMSC-6-90-62-116 N63-15960 13-20

SPACE SCIENCE - NAVIGATION - INERTIAL GUIDANCE
N63-15994 13-22

RANDOM FATIGUE DATA APPLICABLE TO RANDOM VIBRATION LOADING
N63-16080 13-33

BIBLIOGRAPHY - PRINTED CIRCUIT AND WELDED MODULES
SB-63-17 N63-16220 13-09

BIBLIOGRAPHY - RADIATION SHIELDING
SB-62-2 N63-16329 13-28

VAN ALLEN BELT PROTON FLUX MEASUREMENTS FROM SATELLITES

LMSC-2-08-62-2 N63-16335 13-28

BERYLLIUM RESEARCH - ANNOTATED BIBLIOGRAPHY
SB-62-22, SUPPL. II N63-16345 14-18

WIND SHEAR RESPONSE FOR MISSILE SYSTEMS - FLIGHT PERFORMANCE
LMSC-A003108 A N63-16382 14-21

BIBLIOGRAPHY ON COMPOSITION OF HUMAN METABOLIC WASTE PRODUCTS
SB-62-56 N63-16421 14-16

MINIMAL REALIZATION AND SEPARATION OF VARIABLES USING ALGORITHM N63-16473 14-20

RADIO FREQUENCY BLACKOUT PHENOMENA ON REENTRY - BIBLIOGRAPHY
SB-62-18 N63-16516 14-08

RADIATION EFFECTS ON SPACECRAFT ELECTRONICS SYSTEMS, COMPONENTS AND MATERIALS - BIBLIOGRAPHY
SB-62-46 N63-16526 14-09

SHOCK AND VIBRATION ENVIRONMENT TESTS - OPTIMIZATION OF PROCEDURE N63-16757 14-17

APPROACH TO SIMULATION OF POLARIS MISSILE FLIGHT SHOCK USING ELECTRODYNAMIC SHAKER N63-16761 14-02

RENDEZVOUS GUIDANCE SYSTEM FOR AGENA TARGET VEHICLE AND GEMINI SPACECRAFT
LMSC-A372006 N63-16794 14-30

APERTURE OPTICS - DIFFRACTION - INTENSITY - ASTIGMATISM
LMSC-6-90-63-23 N63-16902 14-23

TRANSITION FROM LAMINAR TO TURBULENT FLOW AT HYPERSONIC SPEED - BIBLIOGRAPHY
SB-62-55 N63-17029 15-11

ANTENNA SIDE LOBE REDUCTION - BIBLIOGRAPHY
SB-62-17 N63-17086 15-08

MODULAR PACKAGING OF EQUIPMENT - ANNOTATED BIBLIOGRAPHY
SB-62-25 N63-17087 15-17

BIBLIOGRAPHY - ATTITUDE CONTROL SYSTEMS FOR SPACE VEHICLES AND SATELLITES
SB-62-26 N63-17088 15-06

BIBLIOGRAPHY - THERMAL CONTROL OF SPACECRAFT SURFACES
SB-62-30 N63-17089 15-06

ANOMALOUS PHOTOVOLTAIC EFFECT IN ZINC SULFIDE
LMSC-6-90-63-20 N63-17127 15-25

RELIABILITY AND QUALITY CONTROL IN PRODUCTION N63-17269 15-17

BIBLIOGRAPHY - ELECTROCHEMICAL FUEL CELLS
SB-62-51 N63-17433 15-06

AUTOMATIC PATTERN RECOGNITION - ANNOTATED BIBLIOGRAPHY
SB-63-13 N63-17447 15-20

PYROLYTIC GRAPHITE AND RELATED REFRACTORY MATERIALS - BIBLIOGRAPHY
SB-62-27 N63-17636 16-19

BUCKLING OF STIFFENED STRUCTURES - CYLINDERS AND PANELS - BIBLIOGRAPHY
SB-62-37 N63-17637 16-33

PLASMA PROPULSION - BIBLIOGRAPHY
SB-62-20 N63-17638 16-24

ANNOTATED BIBLIOGRAPHY - MISSILE ENVIRONMENT IN MID-FLIGHT AND REENTRY
SB-61-68 N63-17639 16-30

RADIATION DISCRIMINATORS - BIBLIOGRAPHY
SB-62-34 N63-17640 16-15

ELECTROMAGNETIC INTERFERENCE - BIBLIOGRAPHY
SB-62-44 N63-17641 16-23

BIBLIOGRAPHY - HIGH-VACUUM EFFECTS ON ELECTRONIC PARTS, MATERIALS, AND EQUIPMENT
SB-62-15 N63-17753 16-2

THERMODYNAMIC PROPERTIES OF MOLYBDENUM AND NIOBIUM - ANNOTATED BIBLIOGRAPHY
SB-62-69 N63-18002 16-18

ELECTROLUMINESCENCE - ANNOTATED BIBLIOGRAPHY
SB-63-6 N63-18011 16-23

METAL SANDWICH CONSTRUCTION - BIBLIOGRAPHY
SB-62-8 N63-18123 16-34

AERODYNAMIC HEAT TRANSFER & PRESSURE DISTRIBUTION ON BLUNT BODIES AT HYPERSONIC VELOCITY - BIBLIOGRAPHY
SB-62-61 N63-18212 17-02

COMPOSITE MATERIALS FOR SPACECRAFT AND SUPERSONIC AIRCRAFT - BIBLIOGRAPHY
SB-63-49 N63-18213 17-17

LINEAR PYROLYSIS EXPERIMENTS - FLUID MECHANICS - EQUATIONS FOR PYROLYSIS RATE DETERMINATIONS - SOLID PROPELLANT COMBUSTION N63-18535 17-26

GUIDANCE PHENOMENA FOR MANNED NONSTOP ROUNDTRIP TO MARS BY ANALYSIS OF TRAJECTORY AND ITS SENSITIVITY TO SMALL PERTURBATIONS N63-18633 17-22

OXIDATION OF TUNGSTEN AT ULTRAHIGH TEMPERATURES N63-18738 17-07

PHASE RELATIONSHIPS OF MOLYBDENUM, NIOBIUM AND TUNGSTEN BORIDES, CARBIDES AND SILICIDES - ANNOTATED BIBLIOGRAPHY
SB-63-9 N63-18872 18-18

EFFECTS OF POOL AGITATION ON WELDING AND WELDED JOINT PROPERTIES - BIBLIOGRAPHY
SB-63-10 N63-19023 18-17

NONDESTRUCTIVE TESTING OF PYROLYTIC GRAPHITE
MRI-228-05 N63-19213 18-17

RADIATION TOLERANCE OF MATERIALS AND COMPONENTS IN SPACE APPLICATIONS - CERAMICS, PLASTICS, ADHESIVES, SEMICONDUCTORS AND RESISTORS
LMSC-8-19-62-8 N63-19395 18-23

METAL WORKING APPLICATIONS OF LASERS - ANNOTATED BIBLIOGRAPHY
SB-63-22 N63-19444 19-24

BOOSTER ROCKET FOR RANGER PROJECT N63-19540 19-32

VIBRATIONS OF THIN SHELLS - ANNOTATED BIBLIOGRAPHY
SB-63-43 N63-19776 19-33

ELECTRIC POLARIZABILITY OF ATOMIC HYDROGEN IN SHOCK HEATED FLOW AND UNDER THERMODYNAMIC CONDITIONS
RR-463-7 N63-20009 19-11

BOOST VEHICLE TRAJECTORIES FOR RANGER AND MARINER PROGRAMS
AIAA PAPER-63-409 N63-20496 20-34

HANDBOOK OF THERMOPHYSICAL PROPERTIES OF SPACECRAFT MATERIALS - THERMAL RADIATION AND MATERIALS STABILITY IN SPACECRAFT ENVIRONMENT
LMSC-8-55-63-3 N63-20841 21-13

EFFECT OF AXISYMMETRIC IMPERFECTIONS ON BUCKLING OF CYLINDRICAL SHELLS UNDER AXIAL COMPRESSION
LMSC-6-90-63-86 N63-21285 21-33

SPACE TRAVEL AND HUMAN THERMAL LIMITS - SELECTED BIBLIOGRAPHY
SB-61-33 N63-21305 21-16

DIFFUSION OF HYDROGEN AND OTHER LIGHT GASES THROUGH MEMBRANES, POROUS MEDIA, AND THIN PLATES - BIBLIOGRAPHY

LMSC-6-90-63-31 N63-21318 21-11

INSPECTION OF EMBEDDED MATERIALS AND COMPONENTS OF ELECTRICAL MODULES THROUGHOUT ASSEMBLY - ANNOTATED BIBLIOGRAPHY, 1950-1962
LMSC-3-80-62-28 N63-21360 22-09

BIBLIOGRAPHY OF SMALL ANGLE X-RAY SCATTERING
LMSC-6-90-62-35 N63-21806 22-23

THERMOTROPIC & PHOTOTROPIC COLORIMETRY - ANNOTATED BIBLIOGRAPHY
LMSC-3-06-63-1 N63-22155 22-16

CLASSICAL ANALYTIC MECHANICS FOR SIMULATION OF SPACE VEHICLE MOTION & PERFORMANCE - MATHEMATICAL MODELS OF MISSILE TRAJECTORY
LMSC-TR-3-80-61-2 N63-22329 23-11

ELECTROMAGNETIC WAVE PROPAGATION THROUGH PLASMA - BIBLIOGRAPHY
LMSC SB-61-56 N63-22352 23-24

BIBLIOGRAPHY - EPITAXIAL GROWTH OF SINGLE CRYSTALS
LMSC-SB-63-32 N63-22576 23-07

PLASMA JET WELDING, COATING, AND CUTTING - BIBLIOGRAPHY
SB-63-21 N63-22728 23-24

ANNOTATED BIBLIOGRAPHY OF EXPANDABLE STRUCTURES IN SPACE
SB-63-36 N63-22729 23-34

ANNOTATED BIBLIOGRAPHY OF SIZE FRACTIONATION
SB-63-40 N63-22730 23-34

BIBLIOGRAPHY OF SHOCK WAVE PROPAGATION IN SOLIDS
SB-63-31 N63-22767 23-23

BIBLIOGRAPHY - MANNED MILITARY MISSIONS IN ORBITAL SPACE
SB-63-27 N63-22807 23-32

COMPUTER PROGRAMMING FOR COMMAND-CONTROL SYSTEMS
LMSC-5-10-63-26 N63-22993 23-08

FABRICATION OF SPACE ERECTABLE STRUCTURES FROM SUPERALLOYS, REFRACTORY MATERIALS, AND NONMETALLIC MATERIALS N63-23211 24-33

MANNED SPACE FLIGHT TO MARS & VENUS IN DECADE 1970 N63-23232 24-32

SHOCK HUGONIOTS FOR HYDROGEN-ARGON MIXTURES - IDEAL GAS VIBRATIONS, DISSOCIATION, & IONIZATION
RR-463-8 N63-23495 24-23

CALCULATION OF THE OCCUPATION NUMBERS OF EXCITED STATES OF ATOMIC HYDROGEN GAS
RR-463-9 N63-23499 24-23

VELOCITY AND TEMPERATURE PROFILES AND SKIN FRICTION IN SUPERSONIC TURBULENT COMPRESSIBLE FLOW - ANNOTATED BIBLIOGRAPHY
SRB-63-1 N63-23615 24-13

RADIATION FORCES AS COMPONENT OF SPACECRAFT ENVIRONMENT
LMSC-A384055 N63-23691 24-23

METEOROID HAZARD TO NUCLEAR ROCKET SPACE VEHICLE MISSIONS
LMSC-A303606 N63-23694 24-29

COST ESTIMATING FOR RESEARCH, DEVELOPMENT, AND INFORMATION PROCESSING PROGRAMS - ANNOTATED BIBLIOGRAPHY
LMSC-SB-63-70 N63-23799 24-01

OCKHEED NUCLEAR PRODUCTS, MARIETTA, GA.
NUCLEAR RADIATION EFFECT ON MATERIALS AT CRYOGENIC TEMPERATURES - EQUIPMENT, HANDLING, REFRIGERATION AND TESTING
NASA-TM-X-50578 N63-21734 22-23

OCKHEED PROPULSION CO., REDLANDS, CALIF.
STRUCTURAL RELIABILITY OF PROPELLANT GRAINS - COMPUTER OUTPUT FROM CURVE FIT STUDIES
LPC-556-M-1 N63-15863 13-20

THERMAL STRESS STUDY OF CASE BONDED SOLID PROPELLANT GRAINS
EPC-578-F-1 N63-20830 21-26

THERMAL STRESS OF SOLID PROPELLANT GRAINS UNDER VARIOUS ENVIRONMENTAL CONDITIONS
A&ES-62-19A N63-20831 21-26

STRESS ANALYSIS FOR PROBLEMS IN VISCOELASTICITY
A&ES-62-18 N63-21659 22-23

CONSTITUTIVE EQUATIONS OF VICCOELASTIC MATERIALS UNDER LARGE DEFORMATION
A&ES-63-3 N63-22813 23-33

LONDON U. /GT. BRIT./
GEOMAGNETIC DIFFUSION CONTROL IN IONOSPHERIC F2 LAYER
AFCRL-62-1061 N63-11355 03-12

GEOMAGNETIC CONTROL OF DIFFUSION IN ATMOSPHERIC F2 REGION UNDER CONDITIONS OF ELECTRON PRODUCTION RECOMBINATION & NO ELECTRODYNAMIC DRIFT
AFCRL-62-229 N63-14092 09-12

VERY LOW FREQUENCY INFRARED SPECTROMETER DESIGN AND PERFORMANCE N63-19399 18-15

VERY LOW FREQUENCY INFRARED SPECTROSCOPY ON TIN HALIDES N63-20522 20-07

LORD MFG. CO., ERIE, PA.
DESIGN OF SUSPENSION SYSTEMS TO REDUCE EFFECTS OF HIGH INTENSITY SHOCK ENVIRONMENT N63-16771 14-10

LOS ALAMOS SCIENTIFIC LAB., N. MEX.
RISE THROUGH THE ATMOSPHERE OF A HOT BUBBLE
LAMS-2770 N63-10465 01-23

MAMMALIAN METABOLISM AND RADIOBIOLOGY
LAMS-2780 N63-10589 02-16

DIGITAL PROGRAMS FOR PARA-HYDROGEN PROPERTIES
LAMS-2762 N63-10864 02-20

PLASMA THERMOCOUPLE, RADIATION SHIELDING, AND POWDER METALLURGY
LAMS-2796 N63-10869 02-15

EFFECT OF ATMOSPHERIC HUMIDITY ON THE FLOW OF METAL POWDER
LAMS-2773 N63-11044 03-18

BIBLIOGRAPHY ON CORROSION BY LIQUID METALS
LAMS-2779 N63-11055 03-18

COMPUTATION OF THE ELECTROMAGNETIC FIELD OF A CONDUCTING BUBBLE
LAMS-2807 N63-11490 03-23

DETONATION PROPERTIES OF CONDENSED EXPLOSIVES
LA-2712 N63-11571 04-23

MODIFICATION OF MOMENTUM REGION IN THOMAS-FERMI THEORY
LA-2750 N63-11572 04-23

MOLTEN PLUTONIUM PUMP EXPERIMENT IN REACTOR CORES
LA-2761 N63-11819 04-23

LAMPRE PROGRAM - NUCLEAR REACTOR CORES, CONTROL RODS, FUEL ELEMENT
LAMS-2815 N63-11820 04-23

PARAMETRIC CHARACTERISTICS OF CYLINDRICAL RADIATORS
LAMS-2793 N63-11984 05-13

MASS RATE FLOWMETER REQUIRING NO CALIBRATION - USE OF ENERGY TO GAS RATIO
LA-2812 N63-11985 05-15

COMPUTER PROGRAM FOR LEAST SQUARES PROBLEM
LA-2376 ADDENDA N63-12173 05-20

EQUATIONS OF RADIATION TRANSPORT IN COMPRESSIBLE

FLUIDS
LAMS-2795 N63-12174 05-23

RATH MESHER 7090 PROGRAM - INPUT DATA FOR HEAT CONDUCTING CODES
LAMS-2809 N63-12259 05-20

THERMODYNAMIC FUNCTIONS FOR PURE PLUTONIUM
LA-2813 N63-12603 06-18

REACTOR IRRADIATION OF URANIUM-IMPREGNATED GRAPHITE AT 1500 DEG TO 10 PERCENT BURNUP
LAMS-2814 N63-12690 06-26

METEORITE ANALYSIS FOR GAMMA RAY EMITTING ISOTOPES BY SCINTILLATION COUNTER
LA-2765 N63-12991 07-23

COMPUTER CODE FOR REDUCTION ON NEUTRON CROSS SECTION
LAMS-2801 N63-12992 07-20

COMPATIBILITY OF TYPE 302-B STAINLESS STEEL WITH OXIDES OF PLUTONIUM AND URANIUM, AND WITH SILICON AND NICKEL
LA-2828 N63-12993 07-18

CARBON SOLUBILITY IN LIQUID PLUTONIUM
LAMS-2832 N63-13156 07-07

BETA DECAYS AND DELAYED GAMMAS FROM FISSION FRAGMENTS
LA-2811 N63-13195 07-23

VINYL PLASTISOLS FOR USE IN NEUTRON SHIELDING SYSTEMS
LAMS-2800 N63-13372 08-17

EPOXY POTTING FOR HIGH VOLTAGE, HIGH AMPERAGE CIRCUITRY
LAMS-2797 N63-13414 08-17

POLYVINYL CHLORIDE COATINGS FOR HIGH EXPLOSIVE HANDLING EQUIPMENT TO PREVENT DETONATION
LAMS-2798 N63-13415 08-17

FABRICATION OF GASKETS - PRODUCTION METHODS
LAMS-2799 N63-13416 08-17

STABILITY OF RELATIVISTIC PARTICLE BEAM PASSING THROUGH PLASMA
LA-2802 N63-13668 08-24

COMPUTER DATA PROCESSING SYSTEM FOR PROJECT ROVER, 1962
LAMS-2845 N63-14495 10-20

SPECTROPHOTOMETRIC DETERMINATION OF URANIUM IN MIXTURES OF URANIUM AND TUNGSTEN
LA-2844 N63-14529 10-07

THERMONUCLEAR DEVICES - PICKET FENCE, GAS GUN, PLASMA LENS, PLASMA GENERATORS
LAMS-2874 N63-14530 10-24

SPACE, ENERGY AND TIME DISTRIBUTION OF NEUTRONS AT GROUND-AIR INTERFACE CALCULATED BY MONTE CARLO CODE NHM
LA-2390, SUPPL. N63-14568 10-23

LOS ALAMOS MOLTEN PLUTONIUM REACTOR EXPERIMENT /LAMPRE/ PROGRESS - REACTOR DESIGN, PLUTONIUM FUEL ALLOYS, SODIUM COOLING SYSTEM
LAMS-2875 N63-14569 10-10

SOLUTION OF LEAST SQUARES ANALYSIS WITH RELATION TO HIGH SPEED COMPUTERS
LA-2367 N63-14609 10-20

EFFECT OF NONLINEARITY ON STABILITY AUGMENTATIONS OF SIMPLIFIED PARTICLE IN CELL DIFFERENCE EQUATION
LA-2414 N63-14711 10-20

SOLID STATE DIFFUSION BONDING OF TUNGSTEN TO TUNGSTEN UNDER SURFACE PRESSURE AT HIGH TEMPERATURE
LA-2751 N63-14892 11-17

NUMERICAL ANALYSIS OF EULERIAN HYDRODYNAMIC EQUATIONS FOR SUPERSONIC COMPRESSIBLE FLUID FLOW
LAMS-2826 N63-14962 11-20

EQUATIONS FOR DATA PROCESSING USING LEAST SQUARES METHOD - OPTICAL LENS DESIGN
LA-2837 N63-15212 11-22

NEUTRON THERMALIZATION IN SOLIDS - NEUTRON SCATTER BY ATOMS WHOSE MOTIONS ARE RESTRICTED BY CRYSTAL BONDS - ENERGY TRANSFER APPROXIMATIONS
LA-2834 N63-15219 11-23

ANISOTROPIC SCATTERING IN NEUTRON TRANSPORT THEOR EQUATION - APPROXIMATION ACCURACY
LAMS-2873 N63-15220 11-20

NEUTRON-INDUCED NUCLEAR FISSION SYMMETRY IN URANIUM-235 AT INDIVIDUAL RESONANCES
PNE-114F N63-15381 12-23

FAST ELECTROMAGNETIC SIGNALS PRODUCED BY NUCLEAR EXPLOSIONS IN TROPOSPHERE
LA-2808 N63-15550 12-10

LOS ALAMOS TURRET REACTOR
LAMS-2894 N63-15780 13-10

TWO-BODY T-MATRIX PROBLEM FOR FREE-BOUND SYSTEMS APPLIED TO NUCLEAR CHARGE EXCHANGE
LA-2805 N63-15918 13-22

SELF-DIFFUSION AND DIFFUSION OF RHENIUM TRACER IN SINGLE-CRYSTAL TUNGSTEN
LA-2880 N63-15929 13-25

ENERGY AND TIME DEPENDENCE OF DELAYED GAMMA RAYS FROM NEUTRON INDUCED FISSION
LAMS-2642 N63-15970 13-23

INTEGRAL NEUTRON FLUX, NEUTRON AND GAMMA RADIATION DOSE MEASUREMENTS ON KIWI B-1 REACTORS
LA-2858 N63-16124 13-10

COMPUTER PROGRAM OF ELECTRIC CIRCUITRY - NETWORK ANALYSIS
LA-2853 N63-16522 14-09

RADIAL WAVE FUNCTIONS FOR GROUND STATE AND EXCITED STATE OF CESIUM
LA-2886 N63-16845 14-18

FISSION NEUTRON ENERGY SPECTRA FROM URANIUM 235, URANIUM 233 AND PLUTONIUM 239
LAMS-2883 N63-17197 15-15

GENERAL GEOMETRY MONTE CARLO CODE FOR NEUTRON PENETRATION PROBLEM
LAMS-2856 N63-17261 15-20

IBM 7090 COMPUTER PROGRAM FOR DESIGN OF CONICAL SECTION OPTICAL LENS AND MIRRORS
LA-2877 N63-17947 16-23

INTEGRAL NEUTRON FLUXES - GAMMA AND NEUTRON RADIATION DOSES ON KIWI B-4A REACTOR
LA-2885 N63-18112 16-23

DETERMINATION OF TRACES OF NITRIDE NITROGEN IN SODIUM BY TITRATION
LA-2892 N63-18113 16-07

REACTION KINETICS FOR GRAPHITE WITH HYDROGEN AND METHANE AT HIGH TEMPERATURES
LAMS-2896 N63-18114 16-07

CALCULATION OF HOWARD EBERLINE NEUTRON SURVEY INSTRUMENT SENSITIVITY AS FUNCTION OF NEUTRON ENERGY - NEUTRON COUNTER
LA-2860 N63-18127 16-15

VAPORIZATION OF CHLORIDES OF ELEMENT IN FIRST LONG PERIOD OF PERIODIC TABLE - FORMATION AND DISSOCIATION HEATS
LA-2841 N63-18172 16-07

LOS ALAMOS MOLTEN PLUTONIUM REACTOR EQUIPMENT - QUARTERLY REPORT
LAMS-2915 N63-18266 17-01

TRUCTURE AND STABILITY OF SQUARE WAVE LIMIT OF TEADY DETONATION - HYDRODYNAMIC STABILITY
N63-18544 17-20

ROTONS IN OUTER RADIATION BELT BY SCOUT ROCKET CINTILLATION SPECTROMETER
FSWC-TDR-62-105 N63-18796 18-28

ONTE CARLO CALCULATIONS OF EQUATION OF STATE OF 2- AND 48-MOLECULE HARD CIRCLES
A-2827 N63-18822 18-20

PPROXIMATE CALCULATIONS OF WALL PRESSURE PROFILE OF CHAPMAN-JOUQUET DETONATION IN FINITE MASS OF IGH EXPLOSIVE ADJACENT TO RIGID WALL
AMS-2882 N63-18829 18-23

AMMA DOSE REDUCTION CAUSED BY SHADOW SHIELDING TRUCTURES
AMS-2904 N63-18876 18-23

REDICTION OF THETA-PINCH PLASMA BEHAVIOR BY TWO-LUID HYDROMAGNETIC COMPUTATION
AMS-2911 N63-19142 18-24

HERMONUCLEAR EQUIPMENT FOR PLASMA RESEARCH
AMS-2916 N63-19182 18-09

NEUTRON DIFFRACTION PATTERN OF ALPHA PLUTONIUM AT 3-DEG K
A-2912 N63-19218 18-23

URANIUM CARBIDE AND PLUTONIUM CARBIDE PROCESSING WITH TRIBUTYL PHOSPHATE - NUCLEAR CARBIDE MIXTURES S REACTOR FUELS
AMS-2884 N63-19235 18-07

ONDENSED EXPLOSIVE DETONATION PROPERTIES COMPUTED USING BECKER-KISTIAKOWSKY-WILSON EQUATION OF STATE
A-2900 N63-19266 18-23

ADIOBIOLOGICAL ASPECTS OF MANNED SPACE FLIGHT
N63-19491 19-16

EFORMATION AND ANNEALING OF TANTALUM AND TANTALUM-TUNGSTEN ALLOYS AT CRITICAL STRESS
A-2871 N63-19631 19-18

ULTRAHIGH TEMPERATURE GAS-COOLED REACTOR - CONTROL SYSTEM, HEAT TRANSFER ANALYSIS, FLOW RATES FOR COOLING SYSTEM, & FUEL ELEMENT PROCESSING
AMS-2933 N63-19798 19-23

BRITTLENESS TEST FOR POWDER METALLURGY MATERIALS
AMS-2906 N63-19885 19-18

CERAMIC-TO-METAL SEALS FOR HIGH TEMPERATURE OPERATIONS
AMS-2917 N63-20486 20-18

RADIATION MEASUREMENTS OF RADIOACTIVE DEBRIS FROM KIWI B-1A, B-1B AND B-4A REACTORS
AMS-2932 N63-20720 21-10

SOLID PLUTONIUM FUEL FOR NUCLEAR REACTORS
AMS-2949 N63-20837 21-26

TEMPERATURE-FLOW INSTABILITY CAUSING OSCILLATION IN HELIUM
AMS-2934 N63-21017 21-13

RAC - FORTRAN COMPUTER PROGRAM FOR REACTOR ACCIDENT CALCULATIONS
AMS-2020 N63-21182 21-23

SPECTROPHOTOMETRIC DETERMINATION OF MICRO-QUANTITIES OF CHLORIDE IN PLUTONIUM METAL AFTER PYROHYDROLYSIS
LA-2921 N63-21454 22-23

MONTE CARLO CALCULATION OF NEUTRON THERMALIZATION IN LIQUID HYDROGEN OF NUCLEAR ROCKET PROPELLANT TANK
LA-2909 N63-21656 22-26

NEUTRON CONTRIBUTIONS TO LITHIUM DIHYDRIDE PROPELLANT HEATING N63-22305 23-27

ENERGY STORAGE THROUGH FORMATION OF RADIATION PRODUCTS IN LIQUID HYDROGEN N63-22306 23-26

DIGITAL CODE FOR CALCULATION OF STARTUP TRANSIENCE OF NUCLEAR ROCKET REACTOR N63-22318 23-27

TWO METER MACH-ZEHNDER INTERFEROMETER FOR PLASMA DENSITY MEASUREMENTS
LA-2940 N63-22377 23-24

TEMPERATURE EFFECT ON SOLUBILITY OF TANTALUM IN LIQUID PLUTONIUM
LAMS-2952 N63-22378 23-18

GROUP CONSTANTS AND COMPUTED NEUTRON CROSS SECTION FOR REACTOR MATERIALS
LAMS-2941 N63-22472 23-23

NUMERICAL SOLUTIONS TO NONSTEADY INCOMPRESSIBLE FLUID FLOW PROBLEMS BY COMPUTER METHOD
LA-2910 N63-22478 23-11

HYDROLYSIS AND CHROMATOGRAPHIC BEHAVIOR OF DERIVATIVES AND COMPOUNDS OF 3-URIDYLIC ACID - OLIGONUCLEOTIDE ACETYLS & TETRAHYDROPYRANYLS
LA-2923 N63-22907 23-07

COMPATIBILITY OF CERAMICS, METALS, AND ALLOYS WITH CESIUM
LAMS-2948 N63-22908 23-06

CRITICAL FREQUENCIES OF STEPPED SHAFTS - TWO FINITE DIFFERENCE METHODS SUITED FOR DIGITAL COMPUTATION
LAMS-2954 N63-22909 23-20

ULTRA-LOW INDUCTANCE CAPACITOR BANKS FOR FAST RISING MAGNETIC FIELDS
LA-2957 N63-22910 23-09

STABLE, FINITE DIFFERENCE APPROXIMATIONS IN RADIATION DIFFUSION EQUATIONS
LAMS-2960 N63-23673 24-23

LOUISIANA STATE U. AND AGRICULTURAL AND MECHANICAL COLL., BATON ROUGE.
PRESSURE DEPENDENCE OF THE ETTINGSHAUSEN-NERNST EFFECT AND THERMOELECTRIC POWER IN ZINC WITH SOLID HYDROGEN AS PRESSURE TRANSMITTING MEDIUM
AROD-1579-10 N63-14054 09-23

ELECTRON TRANSPORT PHENOMENA IN ZINC AND BISMUTH AT LIQUID HELIUM TEMPERATURES - HALL EFFECT STUDY
AROD-1579-11 N63-14452 10-23

ELECTRON TRANSPORT COEFFICIENTS - EFFECT IN SINGLE CRYSTAL BISMUTH AT LIQUID HELIUM TEMPERATURES
AROD-1579-12 N63-17017 15-25

LOUVAIN U. /BELGIUM/.
ION PRODUCTION, CONCENTRATION, EXTRACTION AND IDENTIFICATION IN FLAMES
ARL-62-379 N63-14535 10-26

KINETICS OF HYDROCARBON-OXYGEN-NITROGEN FLAME SYSTEMS AND MOLECULAR WEIGHTS OF CHAIN CARRIERS
N63-18565 17-07

LOVELACE FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, ALBUQUERQUE, N. MEX.
DETERMINATION OF SERUM BILIRUBIN
LF-3 N63-10547 01-16

GUINEA PIG TOLERANCE OF SHOCK TUBE GENERATED AIR BLASTS - EFFECTS OF BODY ORIENTATION AND OVERPRESSURE DURATION
DASA-1312 N63-12238 05-16

ESTIMATION OF HUMAN TOLERANCE TO AIR BLAST OVERPRESSURES BASED ON ANIMAL STUDIES
DASA-1335 N63-12239 05-16

PRESSURE TESTS ON GUINEA PIGS EXPOSED TO EXPLOSION OF ATLAS MISSILE
DASA-1313 N63-12240 05-16

TOLERANCE OF GUINEA PIGS TO AIR BLASTS WHEN MOUNTED IN SHALLOW AND DEEP CHAMBERS ON SHOCK TUBE

DASA-1334 N63-12281 05-16

CASCADE IMPACTOR OPERATING AT LOW VOLUMETRIC FLOW RATES
LF-5 N63-12321 05-16

LAUTERBACH AND DAUTREBANDE AEROSOL GENERATORS IN STUDIES OF INHALATION TOXICITY - PARTICLE SIZE DISTRIBUTION
LF-6 N63-14665 10-16

TRANSLATIONAL EFFECTS OF AIR BLAST FROM HIGH EXPLOSIVES
DASA-1336 N63-14840 11-26

SPACE SCIENCE - CONTRIBUTIONS TO AEROSPACE MEDICINE N63-17050 15-16

TOLERANCE OF ANIMALS TO OVERPRESSURES AS FUNCTION OF DURATION - BIOLOGICAL EFFECTS OF BOMB BLASTS
DASA-1325 N63-17508 16-16

EFFECT OF INDUCED HYPOXIA ON THERMOREGULATION AND CARDIOPULMONARY FUNCTION IN DOGS
AAL-TDR-62-19 N63-17649 16-16

TISSUE DISTRIBUTION & EXCRETION PATTERN OF CESIUM-137 FOLLOWING INHALATION
LF-4 N63-19499 19-16

PARTICULATE STATE OF FISSION PRODUCTS RELEASED FROM IRRADIATED URANIUM WHEN HEATED IN AIR
LF-9 N63-19724 19-23

SELECTION OF SPACE CABIN ATMOSPHERES - OXYGEN TOXICITY
NASA-TN-D-2008 N63-20754 21-16

ELECTROSTATIC PRECIPITATOR FOR AEROSOL PARTICLE SAMPLING
LF-7 N63-21378 22-07

LOWELL OBSERVATORY, FLAGSTAFF, ARIZ.
PHYSICS OF THE PLANETS N63-10225 01-05

LUCAS GAS TURBINE EQUIPMENT LTD., BURNLEY /GT. BRIT./
WATER FLOW VISUALIZATION TECHNIQUES IN GAS TURBINE COMBUSTION CHAMBER STUDY N63-18581 17-06

LUDWIG-MAXIMILIANS-UNIVERSITAT, MUNICH /W. GERMANY/.
SEPARATION OF LINE AND CONTINUUM IN THE SKY EMISSION AND ITS CALCULATION BY RADIATION DIAGRAMS FOR NARROW SPECTRAL INTERVALS
AFCRL-63-680 N63-21474 22-12

LUND OBSERVATORY /SWEDEN/.
METEOR VISUAL TRACKING AND RADAR ECHOES N63-16631 14-05

PHOTOELECTRIC AND PHOTOGRAPHIC PHOTOMETRY OF GALACTIC CLUSTER NGC 6649 N63-17580 16-05

LUND U. /SWEDEN/.
THERMOCHEMISTRY RESEARCH - COMBUSTION AND REACTION CALORIMETRY, EQUILIBRIUM AND FREE RADICAL STUDIES N63-22038 22-07

LYON, INC., DETROIT, MICH.
DEVELOPMENT OF DEEP DRAWN - ONE PIECE HIGH PERFORMANCE ROCKET MOTOR CASE N63-13731 08-27

M

MAGNA CORP., ANAHEIM, CALIF.
TEST METHOD FOR MEASURING CORROSION BY ELECTRICAL CONDUCTANCE N63-13239 07-15

BIOCHEMICAL FUEL CELLS - USE OF LIVING ORGANISMS AND CELL-FREE EXTRACTS, ENZYMATIC PROCESSES, BIOANODE AND BIOCATHODE PREPARATIONS N63-14130 09-06

BACILLUS PASTEURII-UREA BIOCHEMICAL FUEL CELLS N63-23418 24-26

MAIN ASTRONOMICAL OBSERVATORY, PULKOVO /USSR/.
EQUATIONS FOR COMPUTING POSITIVE CHARGE OF SUN - MOTION AND HEAT EQUATIONS
AID-T-63-82 N63-17927 16-0

MALLINCKRODT CHEMICAL WORKS, WELDON SPRING, MO.
URANIUM ELECTROLYTIC CELL, DISSOLUTION OF URANIUM TETRAFLUORIDE, INSTRUMENTATION FOR EMISSION MICRO SPECTROSCOPY, HYDROGEN CONTENT IN URANIUM
MCW-1479 N63-12022 05-0

SPECTROSCOPY OF MAGNESIUM, ELECTROLYTIC REDUCTION OF URANIUM OXIDE AND ELECTRON MICROSCOPE STUDY OF CHEMICAL BONDING OF URANIUM & ALUMINUM-SILICON
MCW-1480 N63-18073 16-0

MAN-TURBOMOTOREN G.M.B.H., MUNICH /W. GERMANY/.
COMPUTATION OF THE PERFORMANCE CHARACTERISTICS OF JET ENGINES WITH THE AID OF DIGITAL COMPUTERS
WGL PAPER-49 N63-10044 01-2

TURBOMACHINES - CALCULATION OF THE CASCADE ACCORDING TO STREAMLINE FLOW THEORY N63-20868 21-02

TURBOMACHINES - PERFORMANCE OF TURBOJET ENGINES DURING STARTING BY WINDMILLING N63-20875 21-02

M.A.N. WERK, AUGSBURG /W. GERMANY/.
TURBOMACHINES - AXIAL COMPRESSOR DESIGN PROBLEMS N63-20871 21-02

MANCHESTER COLL. OF SCIENCE AND TECH. /GT. BRIT./
SIMULATION OF LUNAR LUMINESCENCE - ULTRAVIOLET AND PROTON EXCITATION OF TEKTITE & METEORIC MATERIAL
AFCRL-62-1099 N63-11017 03-29

PHOTOELECTRIC SPECTROPHOTOMETER FOR LUNAR LUMINESCENCE SIMULATION
AFCRL-63-731 N63-22986 23-23

MANCHESTER U., MACCLESFIELD /GT. BRIT./
OPTICS DEVELOPMENT FOR 43-INCH LUNAR TELESCOPE, PYROMETER DEVELOPMENT FOR LUNAR TEMPERATURE MEASUREMENT
AFCRL-62-1100 N63-11018 03-29

SPECTROPHOTOMETRIC STUDY OF THE LUNAR SURFACE
AFCRL-62-1096 N63-11019 03-29

POLARIMETER DESIGN FOR LUNAR STUDIES
AFCRL-63-405 N63-14448 10-15

LUNAR TOPOGRAPHY - LUNAR SHADOW, LUNAR CRATER, MICRODENSITOMETER MEASUREMENT N63-14855 11-05

LUNAR SELENOGRAPHY - REDETERMINATION OF LIBRATION CONSTANTS, LUNAR SPHERICITY MEASUREMENTS, MICRORELIEF PHOTOINTERPRETATION
AFCRL-63-406 N63-15223 11-29

LUNAR PHOTOMETRY AND TOPOGRAPHY ANALYSIS - CAMERA N63-16254 13-29

INFRARED ASTRONOMY OF MOON - LUNAR RAY CRATERS AND SURFACE TEMPERATURE
AFCRL-63-459 N63-16513 14-29

METEOR PHOTOGRAPHY AND VISUAL OBSERVATION N63-16653 14-05

MECHANISM OF ATMOSPHERIC TURBULENCE - DENSITY AND TEMPERATURE GRADIENTS CREATING BUOYANCY FORCES N63-16815 14-11

THERMOCHEMISTRY - COMBUSTION HEATS OF TETRAPHENYL-TIN AND TETRAETHYL-GERMANIUM N63-19308 18-07

RADIO WAVE EMISSION FROM SOLAR FLARES N63-20683 20-28

DEVELOPMENT OF THE LUNAR TOPOGRAPHY INTO SPHERICAL HARMONICS
AFCRL-63-744 N63-23814 24-29

MANLABS., INC., CAMBRIDGE, MASS.
MELTING, CASTING, AND FABRICATION OF INTERMETALLIC COMPOUNDS

ASD-TDR-62-1087, PT. I N63-13209 07-18

THERMODYNAMICS OF SOLID SOLUTIONS & INTERMETALLIC COMPOUNDS DEFINING FREE ENERGY - STABILITY DETERMINATION
ASD-TR-61-445, PT. II N63-14800 11-13

HIGH PRESSURE AND HIGH TEMPERATURE METALLURGY
WADD-TR-60-893, PT. III N63-17894 16-18

HEAT TREATMENT VARIABLES AFFECTING FRACTURE TOUGHNESS IN HIGH STRENGTH SHEET ALLOYS
ASD-TDR-62-868 N63-19198 18-18

VERY HIGH TEMPERATURE APPLICATIONS OF BORIDE COMPOUNDS N63-19528 19-25

ELECTRON MICROSCOPY, X-RAY DIFFRACTION AND MECHANICAL TESTING TO DETERMINE SUBSTRUCTURE AND MECHANICAL PROPERTIES OF REFRACTORY METALS
ASD-TR-61-181, PT. III N63-19656 19-18

EFFECTS OF PRIMARY GRAIN STRUCTURE AND SUBSTRUCTURE ON DUCTILE-BRITTLE TRANSITION BEHAVIOR OF REFRACTORY METALS
N63-19657 19-18

LOW ALLOY STEEL RESPONSE TO THERMOMECHANICAL TREATMENTS INVOLVING TRANSFORMATION TO BAINITES
N63-19843 19-18

HIGH-PRESSURE HIGH-TEMPERATURE METALLIC ALLOYS
ASD-TDR-63-90 N63-22040 22-18

THERMOMECHANICAL TREATMENTS APPLIED TO ULTRAHIGH STRENGTH BAINITES AND COMPARED TO MARTENSITE AND AUSTENITE N63-23587 24-18

MARIA MITCHELL OBSERVATORY, NANTUCKET, MASS.
PHOTOGRAPHIC STUDIES OF HORIZON PATTERNS FROM HIGH ALTITUDES N63-19681 19-12

MARLIN-ROCKWELL CORP., JAMESTOWN, N.Y.
DESIGN CRITERIA FOR AIRFRAME ROLLER BEARING FOR HIGH ALTITUDE USE
MRC-1299 N63-16998 15-17

HIGH TEMPERATURE EVALUATION OF AIRCRAFT ENGINE LUBRICANTS AND OILS IN BEARING FATIGUE TESTS
N63-17874 16-17

MARQUARDT CORP., VAN NUYS, CALIF.
SELECTION OF THRUST CHAMBER COOLING TECHNIQUE FOR LIQUID PROPELLED SPACECRAFT ROCKET ENGINES
AIAA PAPER-63-241 N63-17800 16-13

THERMAL, MECHANICAL AND PHYSICAL PROPERTIES OF PYROLITICALLY DERIVED REFRACTORY MATERIALS
NASA-CR-50404 N63-18865 18-18

CESIUM VAPOR THERMIONIC CONVERTERS - CURRENT DENSITY, OSCILLATIONS, OUTPUT VOLTAGE, & CURRENT IN TRIODES N63-20632 20-09

IMPACT OF HIGH ENERGY IONS UPON SOLID SURFACES RELEVANT TO ION ROCKET PROPULSION - SPUTTERING YIELD RATES
ARL-63-125 N63-20912 21-27

LIQUID PROPELLANT ROCKET ENGINE - COOLING SYSTEM, ABLATION, AND HEAT SINK
NASA-CR-50958 N63-21043 21-27

COOLING LIQUID PROPELLANT ROCKET ENGINE THRUST CHAMBERS - DATA & BIBLIOGRAPHY
NASA-CR-50959 N63-21074 21-27

PYROLYTIC REFRACTORY LIQUID PROPELLANT THRUST CHAMBER DEVELOPMENT
NASA-CR-51521 N63-22159 22-27

BIOCHEMICAL FUEL CELLS USING HUMAN WASTES
NASA-CR-51565 N63-22894 23-06

THERMIONIC CONVERTER RESEARCH - ARC GENERATORS & SOLID ION EMITTERS
MR-25090 N63-22918 23-06

MARTIN CO., BALTIMORE, MD.
AXIOMATIC THEORY OF CONTROL SYSTEMS
N63-10166 01-20

SNAP-7 PROGRAM - STRONTIUM-90 FUELED THERMO-ELECTRIC GENERATOR
MND-P-2483-6 N63-10309 01-06

MANNED CONTROL OF LARGE SPACE BOOSTERS
N63-10394 01-31

CREW PERFORMANCE DURING SIMULATED LUNAR MISSION
ER-12693 N63-10782 02-14

TRANSIENT STRUCTURAL PERFORMANCE UNDER INTERMITTENT LOAD, TEMPERATURE, AND TIME
N63-11080 03-33

THERMAL ASPECTS OF LONG-TERM STORAGE OF PROPELLANTS ON LUNAR SURFACE
ARS PAPER-2690-62 N63-11273 03-26

DIFFERENTIAL INEQUALITIES AND EXTENSION OF LYAPUNOV METHOD N63-11327 03-20

LIAPUNOV FUNCTIONS - AUTOMATIC CONTROL
N63-11343 03-20

A PROBLEM IN OPTIMAL NONLINEAR CONTROL
N63-11352 03-20

LIGHT CONVERSION IN PHOTOSYNTHESIS - PLANT ENERGY
N63-11471 03-16

STRUCTURE OF THE PHOTOCHEMICAL APPARATUS IN PHOTOSYNTHESIS N63-11472 03-16

FUNDAMENTAL INEQUALITY FOR FINITE DIFFERENCE EQUATIONS - GRONWALL LEMMA N63-12152 05-20

MATHEMATICAL DESCRIPTION OF LINEAR DYNAMICAL SYSTEMS N63-12655 06-09

CHRONOLOGICAL BIBLIOGRAPHY ON BIOLOGICAL EFFECTS OF IMPACT ACCELERATION
N63-12876 07-16

NEUTRON MEASUREMENTS OUTSIDE EARTH ATMOSPHERE BY ATLAS ROCKET
AFCRL-63-214 N63-13271 07-28

LANDING DYNAMICS OF THE LUNAR LANDING MODULE - LANDING GEAR REQUIREMENTS - APOLLO PROJECT
ER-12298 N63-13637 08-31

RADIOISOTOPE FUELED THERMOELECTRIC GENERATORS
N63-14143 09-06

LUNAR LANDING PROPULSION SYSTEMS
ER-12289 N63-14344 10-27

COMPUTER PROGRAM FOR OBTAINING SPECIFIC LUNAR TRAJECTORIES AS AID IN LUNAR LANDING MODULE DESIGN
ER-12290 N63-14345 10-29

LUNAR LANDING STUDIES - EARTH AND LUNAR ORBITAL RENDEZVOUS TECHNIQUES
ER-12292 N63-14346 10-29

LUNAR LANDING STUDIES - FLIGHT OPERATIONAL CONCEPTS
ER-12297 N63-14347 10-29

HUMAN FACTORS OF LUNAR LANDING STUDIED
ER-12300 N63-14348 10-16

ELECTRICAL POWER AND ENVIRONMENTAL CONTROL FOR TWO-MAN LUNAR LANDING VEHICLE
ER-12304 N63-14349 10-29

GROUND SUPPORT EQUIPMENT FOR LUNAR LANDING MODULE UTILIZED WITH APOLLO VEHICLE
ER-12305 N63-14350 10-10

ELASTO-PLASTIC ANALYSIS OF STRUCTURES UNDER LOAD AND TWO-DIMENSIONAL TEMPERATURE DISTRIBUTIONS - TIME DEPENDENT ANALYSIS
ASD-TR-61-667, VOL. III N63-14602 10-33

HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER - DESIGN AND FABRICATION OF 2100-DEG F FORCED CONVECTION LITHIUM LOOP N63-15021 11-13

STRONTIUM-90 FUEL THERMOELECTRIC GENERATOR POWER SOURCE FOR NAVY FLOATING WEATHER STATION -SNAP 7D
MND-P-2835 N63-15036 11-15

RADIATION DOSE FROM ELECTRONS AND BREMSSTRAHLUNG IN VAN ALLEN BELT - SPACECRAFT SHIELDING
N63-15153 11-32

SURFACE DEFECTS OF IONIC CRYSTALS
WAL-TR-832/1-5 N63-15313 12-19

CALCULUS OF VARIATIONS IN OPTIMIZATION OF GUIDANCE AND CONTROL SYSTEMS N63-15641 12-20

HUMAN TOLERANCE AND PERFORMANCE UNDER SEVERE TRANSVERSE VIBRATION - PHYSIOLOGICAL EFFECT
ER-12838 N63-15793 13-14

EFFECT OF SURFACE ENVIRONMENT ON MECHANICAL BEHAVIOR OF METAL
ASD-TDR-62-99 N63-15858 13-18

APPLICATION OF RESIN-IMPREGNATED POROUS CERAMICS TO REENTRY VEHICLE HEAT SHIELDS
N63-16053 13-19

MATERIAL BEHAVIOR IN RANDOM STRESS-TEMPERATURE-TIME ENVIRONMENT N63-16054 13-18

SYSTEM FOR NUCLEAR AUXILIARY POWER PROGRAM - FUEL CORE HEATING DURING REENTRY
MND-P-3019-I N63-16331 13-30

SYSTEM FOR NUCLEAR AUXILIARY POWER PROGRAM - UPPER ATMOSPHERE EXPERIMENTAL REENTRY STUDY
MND-P-2953 N63-16336 13-30

WATER-COOLED NUCLEAR POWERPLANT WITH THERMIONIC CONVERTERS
MND-2903 /VOL. 1/ N63-16362 14-27

TERMINOLOGY, BIBLIOGRAPHY AND INFORMATION UTILIZATION PROBLEMS IN AEROSPACE BIOPHYSICS
ER-12923 N63-16466 14-16

EFFECT OF SURFACE FILMS ON MECHANICAL PROPERTIES OF METALS N63-16569 14-18

EFFECT OF SURFACES ON MECHANICAL BEHAVIOR OF METALS
ASD-TDR-63-101 N63-16576 14-18

HUMAN VIBRATION AND IMPACT ISOLATION WITH FULL LENGTH AIR BAG RESTRAINT SYSTEM
RM-146 N63-16695 14-14

MAGNETOHYDRODYNAMIC POWER GENERATORS - ELECTRICITY
MND-2866-1 N63-16922 14-06

TOPOLOGICALLY CONVEX SETS AND FIXED POINT THEORY - MAPPING
RIAS-TR-63-8 N63-17124 15-20

COMPUTER FINITE DIFFERENCE METHOD FOR AXIAL LOADING ON COLUMNS
RR-31 N63-18054 16-33

MATHEMATICAL ANALYSIS OF DIFFERENTIAL EQUATIONS USING PERIODIC EQUATIONS AND SET THEORY
NASA-CR-50715 N63-19029 18-20

CLEAVAGE SURFACE ENERGY OF MAGNESIUM OXIDE
RIAS-TR-63-15 N63-20371 20-19

ORBITAL SPACE FLIGHT - TRAJECTORY ANALYSIS, ORBITAL MECHANICS, PERTURBATIONS, MANEUVERING, & RENDEZVOUS AND SATELLITE LIFETIME
NASA-SP-33, PT. 1 N63-21101 21-32

SPACE FLIGHT HANDBOOK - ORBITAL MECHANICS AND PROPULSION CALCULATIONS
NASA-SP-33, PT. 2 N63-21102 21-32

ORBITAL FLIGHT HANDBOOK - CALCULATION OF PARKING ORBITS, MISSION AND GUIDANCE & CONTROL REQUIREMENT
NASA-SP-33, PT. 3 N63-21103 21-3

LUNAR FLIGHT MECHANICS AND MISSION PLANNING
NASA-SP-34, PT. 1 N63-21104 21-3

DETAILED LUNAR TRAJECTORY ANALYSIS FOR VARIOUS PHASES OF LUNAR MISSION
NASA-SP-34, PT. 2 N63-21105 21-3

EARTH-MOON TRAJECTORIES - TABLES & DATA FOR SPECIFIC LAUNCH TIMES
NASA-SP-34, PT. 3 N63-21106 21-3

OPTIMAL CONTROL OF LINEAR SYSTEMS & PERFORMANCE INDICES FOR OPTIMIZATION OF CONTROL LAW
N63-21466 22-0

BIOLOGICAL EFFECTS OF VIBRATION INCLUDING NOISE -- REVIEW AND CHRONOLOGICAL BIBLIOGRAPHY
N63-21554 22-1

LIQUID METAL EMBRITTLEMENT OF ZINC MONOCRYSTALS BY MERCURY
RIAS-TR-62-19 N63-21812 22-1

COMPUTATION OF ENTIRE INVISCID FLOW FIELD IN SHOCK LAYER ENVELOPING SUFFICIENTLY SMOOTH AXISYMMETRIC OR PLANAR BODY MOVING AT HYPERSONIC SPEED
RR-40 N63-22796 23-1

DEFLECTIONS AND STRESSES IN ORTHOGONALLY STIFFENED PLATES SUBJECTED TO PURE TWIST
RR-44 N63-22797 23-3

THEORY OF DYNAMIC SYSTEM STABILITY, OPTIMIZATION, STOCHASTIC VARIATION, CONTROL, & NONLINEAR OSCILLATION
NASA-CR-52006 N63-22881 23-2

RECURRENCE IN DYNAMICAL SYSTEMS - ORBIT CALCULATIONS
NASA-CR-51997 N63-23015 24-2

APPLICATION OF WIENER-SPENCER THEOREM TO ANTENNA APERTURE DESIGN
RM-225 N63-23778 24-0

MARTIN CO., DENVER, COLO.
SIMILITUDE REQUIREMENTS IN SCALE MODEL DETERMINATION OF SHELL BUCKLING UNDER IMPULSIVE PRESSURES N63-10855 02-3

AN EVALUATION OF PROTECTIVE COATINGS ON NIOBIUM ALLOY SHEET MATERIAL N63-10964 02-1

TEMPERATURE STRATIFICATION OF CRYOGENIC PROPELLANTS N63-11329 03-2

FLOW OF DISSOCIATING GAS OVER HYPERSONIC BLUNT BODY - LIGHTHILL GAS MODEL
R-62-22 N63-12775 06-0

BUCKLING OF MISSILE SHELL STRUCTURES UNDER TRANSIENT PRESSURE FURNISHED BY IMPULSE GENERATOR
IR-62-17 N63-14643 10-3

BUCKLING OF CLOSED SHELLS OF REVOLUTION - MATERIAL YIELD STRENGTH EFFECTS ON BUCKLING STRENGTH
R-63-4 N63-14742 11-3

ACOUSTIC AND VIBRATION STANDARD ENVIRONMENTAL DATA ACQUISITION PROCEDURE N63-16096 13-1

ATMOSPHERE AT ATLANTIC MISSILE RANGE, CAPE CANAVERAL N63-16341 14-2

ENVIRONMENTAL TEST DATA USED TO ESTABLISH HARDWARE DESIGN CRITERIA FOR PRIMARY GROUND SUPPORT SYSTEMS
N63-16758 14-1

SOLAR COSMIC RAY EVENTS - SUMMARY TABLES OF TIME VARIATIONS AND ENERGY & MOMENTUM SPECTRA
R-63-8, PT. II N63-19183 18-2

SATURN V ADAPTIVE CONTROL SYSTEM
NASA-CR-51704 N63-22137 22-0

MARTIN CO., ORLANDO, FLA.
RACEP PROTOTYPE EQUIPMENT - PORTABLE

COMMUNICATIONS SYSTEM
OR-2495-1 N63-10762 02-08

AIR CUSHION VEHICLE - UTILIZING RECIRCULATION PRINCIPLE IN LIFT SYSTEM FOR GROUND EFFECT MACHINES
TCREC-TR-62-99 N63-13798 09-04

GROUND EFFECT MACHINES MAN-CARRYING TEST VEHICLE UTILIZING RECIRCULATING EJECTORS FOR LIFTING SYSTEM - DESIGN, CONSTRUCTION & COMPONENT TESTING
N63-14185 09-04

RECIRCULATION PRINCIPLE FOR MAN-CARRYING GROUND EFFECT MACHINES - FLIGHT TEST RESULTS
TCREC-TR-63-100 N63-16471 14-04

FLIGHT CHARACTERISTICS OF BULLPUP B MISSILE
N63-16767 14-04

TEMPERATURE RESPONSE AND HEAT BALANCE IN HONEYCOMB SANDWICH PLATES SUBJECTED TO TRANSIENT HEATING
ASD-TDR-63-306 N63-16996 15-23

RECIRCULATING GROUND EFFECT MACHINE - MAN-CARRYING TEST VEHICLE /MCTV/
TRECOM-TR-63-27 N63-20649 20-10

MARTIN-MARIETTA CORP., BALTIMORE, MD.

STIFFENED CYLINDER DESIGN IN AXIAL COMPRESSION
N63-10812 02-34

GROUND WIND AND WIND-INDUCED OSCILLATION TESTS ON THE 624A BOOSTER
ER-12737 N63-11126 03-30

ELECTRONIC SYSTEMS AND RELIABILITY TECHNIQUES
ER-12759 N63-13981 09-17

BIBLIOGRAPHY - BIOLOGICAL EFFECTS OF IMPACT
N63-16369 14-16

DIFFERENTIAL EQUATION ANALYSIS BY MATRICES INVOLVING FUNDAMENTAL INEQUALITIES FOR DISCRETE & DISCONTINUOUS FUNCTIONAL EQUATIONS
NASA-CR-50675 N63-19638 19-20

SNAP-7B STRONTIUM-90 FUELED THERMOELECTRIC GENERATOR FOR COAST GUARD AUTOMATIC LIGHT STATION
MND-P-2836 N63-20584 20-06

RADIOISOTOPIC SEMICONDUCTORS - ELECTRON BETA-VOLTAIC EFFECT & AUGMENTING SEEBECK EFFECT IN STRONTIUM-90 & CERIUM-144
MND-2584-4 N63-20652 20-25

DESIGN, DEVELOPMENT, FABRICATION, INSTALLATION AND TESTING OF PREPACKAGED, AIR TRANSPORTABLE NUCLEAR POWERPLANT
MND-M-2935/VOL. 1/ N63-21402 22-23

CLOSED CYCLE MAGNETOPLASMADYNAMIC ELECTRICAL POWER GENERATION WITH NONEQUILIBRIUM IONIZATION
MND-2939 N63-21814 22-24

RADIATION SHIELDING FOR MANNED SPACECRAFT
N63-23225 24-28

MARTIN-MARIETTA CORP., DENVER, COLO.

SOLAR ILLUMINATED PHOTOSYNTHETIC GAS EXCHANGER - OXYGEN AND CARBON DIOXIDE ANALYSES - ALGAE DENSITY AND TEMPERATURE
N63-11469 03-16

AN ANAEROBIC THERMOPHILIC BIOLOGICAL WASTE DIGESTER
N63-11480 03-16

SOLAR COSMIC RAY - ENERGY, MOMENTUM, PENETRATION OF GEOMAGNETIC FIELD, GENERATION MECHANISMS, AND DETECTORS
R-63-8, PT. I N63-17655 16-28

MARYLAND U., COLLEGE PARK.

A PRIORI BOUNDS ON THE DISCRETIZATION ERROR IN THE NUMERICAL SOLUTION OF THE DIRICHLET PROBLEM
BN-296 N63-10411 01-20

INJURY AND RECOVERY OF PHOTOSYNTHESIS DURING CELL DEVELOPMENT - TEMPERATURE EFFECTS
N63-11192 03-16

ENDOGENOUS METABOLISM IN ALGAE
N63-11193 03-16

CARBON DIOXIDE AND BICARBONATE IN CELL DIVISION - ALGAE
N63-11194 03-16

EFFECTS OF STEROIDS IN CHLORELLA
N63-11195 03-16

RELATIONS AMONG POTENTIAL ENERGY CURVES OF DIATOMIC MOLECULES - QUANTUM MECHANICS
N63-11432 03-23

TRUNCATION ERROR BOUNDS BY FINITE DIFFERENCES FOR THE GOURSAT PROBLEM
BN-289 N63-11567 04-20

DETECTORS FOR VACUUM-ULTRAVIOLET - PHOTO-EMISSION SCINTILLATION, TRANSMISSION WINDOWS
BN-307 N63-11806 04-23

NONLINEAR LANDAU DAMPING OF OSCILLATIONS IN BOUNDED PLASMA
BN-301 N63-12042 05-24

AERODYNAMICS OF GROUND EFFECT MACHINES
TCREC-TR-62-88 N63-12051 05-04

TYPE III SOLAR RADIO NOISE - FREQUENCY POLARIZATION AND DRIFT RATE
BN-290 N63-12077 05-05

TYPE IV SOLAR RADIO NOISE
BN-291 N63-12078 05-05

CHEMICAL COMPOSITION AND STRUCTURE OF JUPITER AS TEST CASE OF ORIGIN OF GIANT PLANETS
N63-12151 05-05

SURFACE RESISTANCE OF SUPERCONDUCTORS
N63-13679 08-23

KINETIC THEORY OF TRANSPORT PROPERTIES OF MULTICOMPONENT POLYATOMIC GAS MIXTURES
N63-14547 10-23

SINGLE-NUCLEON DAMPING OF VIBRATIONS IN OXYGEN OVER GIANT DIPOLE ENERGY RANGE
N63-14975 11-23

EXPERIMENTS ON GENERATION OF SECONDARY MOTION IN VORTEX CORE REGION WHICH EXHIBIT PERIPHERAL VORTICITY
BN-313 N63-15230 11-11

NORMALIZATION CONDITION FOR BETHE-SALPETER WAVE FUNCTION AND FORMAL SOLUTION TO BETHE-SALPETER EQUATION
AFOSR-2759 N63-16328 13-23

COLLISION DAMPING OF PLASMA OSCILLATIONS
N63-16446 14-24

GIANT RESONANCE DIPOLE TRANSITIONS IN NUCLEI - ELASTIC SCATTERING OF GAMMA RAYS, DIPOLE EXCITATIONS, DAMPING OF GIANT DIPOLE RESONANCE
N63-16451 14-25

FLOW STABILITY - FLAT PLATE BOUNDARY LAYER TRANSITION N63-16542 14-11

GAS EVOLUTION FROM CELESTIAL BODIES
NASA-CR-50014 N63-16719 14-11

INTERACTION ENERGIES AND TRANSPORT COEFFICIENTS OF LITHIUM, HYDROGEN AND OXYGEN-HYDROGEN GAS MIXTURES AT HIGH TEMPERATURES
NASA-CR-50453 N63-18321 17-23

CHAPMAN-ENSKOG KINETIC THEORY OF TRANSPORT PROPERTIES OF DILUTE GASES - INELASTIC COLLISIONS
N63-18567 17-11

RELAXATION EFFECTS IN TRANSPORT PROPERTIES OF ROUGH SPHERE GAS - KINETIC THEORY OF POLYATOMIC MOLECULES
NASA-CR-50595 N63-18877 18-11

MATHEMATICAL ANALYSIS OF MIXING OF T EQUALS O AND

T EQUALS 1 COLLECTIVE STATES IN GIANT RESONANCE REGION OF OXYGEN-16 - WAVE FUNCTIONS
N63-18989 18-23

QUANTUM MECHANICAL COLLECTIVE MODEL OF NUCLEUS - ROTATION, VIBRATION, AND HYDRODYNAMIC DIPOLE OSCILLATION - MODEL UNIFICATION
N63-18990 18-24

CARBON DIOXIDE AND BICARBONATE IN REPRODUCTION OF GREEN ALGAE
N63-19979 19-16

UTILIZATION OF VARIOUS PHOSPHORUS COMPOUNDS BY CHLORELLA - HYDROLYSIS
N63-20220 20-16

ASTRONOMICAL ASPECTS OF SPACE EXPLORATION - ASTRONOMER AND ENGINEER RELATIONSHIP, ASTRONOMICAL UNITS, AND THREE BODY PROBLEM
N63-20545 20-29

GAS KINETIC ESCAPE FROM CELESTIAL BODIES
N63-20641 20-11

ABSOLUTE MAGNITUDE TABLES FOR SMALL METEORS NOT DEVELOPING AIR CAP - LUMINOUS EFFICIENCY
N63-20932 21-05

ENDOGENOUS METABOLISM IN CHLORELLA PYRENOIDOSA
N63-21452 22-16

ENDOGENOUS METABOLIC PROCESSES IN ALGAE
N63-21623 22-16

NONLINEAR LANDAU DAMPING OF OSCILLATIONS IN BOUNDED ELECTRON PLASMA - PERTURBATION THEORY
NASA-CR-51825 N63-22875 23-24

SPECTROSCOPIC MEASUREMENTS ON MAGNETICALLY COMPRESSED HIGH TEMPERATURE PLASMAS - BOLTZMANN FACTORS & SAHA EQUATIONS
AFCRL-63-851 N63-22898 23-24

FORMAL KINETIC THEORY FOR TRANSPORT PHENOMENA IN POLYATOMIC GAS MIXTURE
N63-23410 24-11

MASSACHUSETTS INST. OF TECH., CAMBRIDGE.

HIGH SPEED UNSTEADY FLOW
ASD-TDR-62-463 N63-10133 01-02

SPECTROSCOPY, NUCLEAR MAGNETIC RESONANCE, PLASMA DYNAMICS, COMMUNICATIONS ENGINEERING
N63-10165 01-01

TWO-PHASE TUNGSTEN-NICKEL-IRON COMPOSITES
ASRL-TR-94-4 N63-10188 01-33

TACTILE COMMUNICATIONS WITH AIR JETS
N63-10412 01-08

HIGH-ALTITUDE WATER-VAPOR ABUNDANCE FROM GROUND-BASED MICROWAVE OBSERVATIONS
N63-10459 01-12

ASYMMETRIC BUCKLING OF CLAMPED SHALLOW SPHERICAL SHELLS
N63-10841 02-33

DYNAMIC DEFORMATION AND BUCKLING OF SPHERICAL SHELLS UNDER BLAST AND IMPACT LOADING
N63-10852 02-33

ELECTRON BEAM WELDING FOR HIGH-STRENGTH STEEL ROCKET MOTOR CASES
N63-10896 02-17

SCALING LAWS FOR DAMPING
NASA-TN-D-1467 N63-10987 02-33

THEORETICAL HYPERVELOCITY UNSTEADY AERODYNAMICS
N63-11063 03-02

AERODYNAMICS OF DISTORTED SURFACES
N63-11067 03-02

SOLUTION OF THE TRAVELING SALESMAN PROBLEM BY DYNAMIC PROGRAMMING ON THE HYPERCUBE
AROD-968-34 N63-11125 03-20

A HIGH PERFORMANCE DC MAGNET UTILIZING AXIAL COOLED DISKS
NML-62-1 N63-11189 03-25

MULTIGROUP DIFFUSION METHODS
NYO-10206 N63-11229 03-23

INSULATION RESEARCH - HYSTERESIS LOOP, SWITCHING OF POLYCRYSTALLINE GARNETS - FERROMAGNETISM
N63-11290 03-25

DYNAMIC SQUARENESS IN POLYCRYSTALLINE GARNETS - HYSTERESIS LOOP AND SWITCHING
N63-11291 03-25

DYNAMICS OF DIFFUSION-DAMPED FERROMAGNETIC DOMAIN WALLS
N63-11292 03-25

MULTIPLE-CROSSED-BEAM METHOD FOR MEASURING ELECTRON-IONIZATION CROSS SECTIONS
N63-11296 03-15

ELECTRIC AND MAGNETIC PROPERTIES OF VANADIUM SESQUIOXIDE AND RELATED SESQUIOXIDES
N63-11311 03-25

SOLID STATE AND MOLECULAR PHYSICS
N63-11653 04-25

EQUATIONS OF CONSERVATION FOR REACTING GAS FLOWS
MIT-DSR-8180 N63-11678 04-11

RADAR DATA APPLIED TO FORECASTING OF TERMINAL WEATHER CONDITIONS
AFCRL-62-1019 N63-11710 04-21

AUSTENITE PRODUCED BY REVERSE MARTENSITIC TRANSFORMATION STUDIED BY ELECTRON MICROSCOPY FOR IRON-NICKEL ALLOY
DSR-7618 N63-11758 04-18

STRENGTHENING MECHANISMS OF DISPERSION-STRENGTHENED ALLOYS
ASD-TDR-62-734 N63-11786 04-18

MECHANISM FOR NOISE OF THIN EVAPORATED METAL FILMS
ESL-R-149 N63-12044 05-09

ELECTRON GUNS FOR EVAPORATION OF REFRACTORY OXIDE FILM
ESL-TM-141 N63-12045 05-17

IRRADIATION OF SANTOWAX OMP IN IN-PILE LOOP - PART 1, SUMMARY
MITNE-21 N63-12108 05-13

IRRADIATION OF SANTOWAX OMP IN IN-PILE LOOP - PART 2, TESTS OF ORGANIC MATERIALS FOR USE AS COOLANTS IN NUCLEAR REACTORS
MITNE-22, BK.I N63-12130 05-13

PLASTIC ANISOTROPY IN BEHAVIOR OF TEXTURED METALS
WAL-TR-834.12/2 N63-12166 05-18

MAGNETOHYDRODYNAMIC POWER GENERATOR
MIT-29-P N63-12302 05-27

DYNAMICS OF WETTING OF LIQUID METALS IN BRAZING AND SOLDERING
WAL-TR-650/1 N63-12304 05-18

GROUND-BASED MICROWAVE RESONANCE METHOD FOR DETERMINING HIGH ALTITUDE WATER VAPOR ABUNDANCE - APPLICATION TO OTHER ATMOSPHERIC CONSTITUENTS
N63-12357 06-21

VIBRATORY OUTPUT ANGULAR MOTION SENSORS
ESL-R-137 N63-12366 06-15

NEW RESEARCH TECHNIQUES FOR MINERAL ENGINEERING PROBLEMS
MITS-49 N63-12458 06-07

RADAR SYSTEM STUDY OF VENUS BY ELECTROMAGNETIC RADIATION TECHNIQUE
ESL-SR-157 N63-12611 06-08

REPRESENTATION OF NONLINEAR PROCESSES BY DIFFERENTIAL EQUATIONS
AFCRL-62-1137 N63-12741 06-20

ATMOSPHERIC MOMENTUM AND ENERGY CALCULATIONS FOR

SOUTHERN HEMISPHERE DURING IGY
AFCRL-62-1128 N63-12759 06-12

MULTIRANGE PRECISION TORQUE MEASURING SYSTEM
R-367 N63-12776 06-15

DATA ON VISIBILITY OF STARS AND ITS USEFULNESS IN APOLLO PROJECT
E-1172 N63-12777 06-05

RADIO PHYSICS, PLASMA DYNAMICS, AND COMMUNICATION SCIENCE AND ENGINEERING N63-12831 06-09

HEAT TRANSFER OF METAL SURFACES - THERMAL RESISTANCE FOR SPACE ENVIRONMENT APPLICATIONS - ALUMINUM-BERYLLIUM STUDY
E-1173 N63-12919 07-13

GEOMAGNETICALLY TRAPPED PROTONS WITH ENERGIES ABOVE 350 MEV N63-13045 07-28

ASYMPTOTIC CONES OF ACCEPTANCE AND COSMIC RADIATION VARIATION N63-13295 07-28

PLASTIC DEFORMATION OF THIN SILVER BRAZED JOINTS IN SHEAR
ASRL-TR-94-3 N63-13298 07-33

WAVE MOTION, ENERGY DISSIPATION, AND GROSS JET TURBULENCE LIMITATION IN FLUID JET MODULATOR N63-13403 08-11

QUADRUPOLE MASS SPECTROMETER FOR STUDY OF DIELECTRIC MATERIALS AND ELECTRON-IONIZATION CROSS SECTIONS
MIT-TR-176 N63-13460 08-15

STRESS WAVE PROPAGATION AND SPALLATION IN UNIAXIAL STRAIN, ALUMINUM ALLOYS AND COPPER ALLOYS
ASD-TDR-62-399 N63-13543 08-33

NEUTRON FLUX ON SURFACE OF GRAPHITE-LINED CAVITY - CADMIUM RATIO AND ALBEDO
NYO-9657 N63-13561 08-23

VIBRATORY ACOUSTIC GYROSCOPE - CORIOLIS EFFECT, ACOUSTICAL RESONANCE
ESL-TM-162 N63-13603 08-15

CAPACITIVE TRANSDUCERS FOR NARROW BAND VIBRATORY DISPLACEMENT OUTPUT OF ANGULAR MOTION SENSORS - ENERGY DENSITY CALCULATION FOR PARALLEL PLATE TYPE
ESL-R-153 N63-13604 08-15

FIELD MEASUREMENTS OF SOUND PROPAGATION N63-13730 08-23

MICROWAVE OBSERVATIONS OF VENUS UTILIZING TWO-CHANNEL RADIO TELESCOPE MOUNTED ON MARINER II SPACECRAFT N63-13845 09-29

JOINING OF REFRACTORY METALS, TUNGSTEN USING NICKEL OR PALLADIUM ACTIVATORS
WAL-TR-460.54/1-2 N63-13980 09-17

HYDRODYNAMIC STABILITY AND CAVITY OSCILLATIONS - DISCONTINUOUS VELOCITY PROFILE AT THE UNOBSTRUCTED CAVITY OPENING
MIT-DSR-8951 N63-14041 09-11

STATIC AEROELASTIC DIVERGENCE AND CONTROL REVERSAL N63-14115 09-03

JET NOISE FAR FIELD SPECTRA AND DIRECTIVITY PATTERNS OF JET FLOW
ASRL-TR-1007 N63-14191 09-27

STUDY OF BUBBLE INITIATION, GROWTH RATE AND DEPARTURE TO COMPUTE HEAT TRANSFER AND EFFECT ON VIRTUAL MASS N63-14214 09-13

MAGNETIC TAPE COPIES OF MIT GEOPHYSICS PROGRAM, SET I - BIBLIOGRAPHY
AFCRL-63-282 N63-14241 10-20

FLUID POWER CONTROL - HIGH-PERFORMANCE HYDRAULIC AND PNEUMATIC CONTROL EQUIPMENT FOR ADVANCED SYSTEMS
DSR-8998-1 N63-14338 10-11

CYLINDER-SPHERE DRAG AND STABILITY IN RECTILINEAR COUETTE FLOW
MIT FLUID DYN. RES. LAB.-63-1 N63-14410 10-02

SOLID STATE AND MOLECULAR THEORY, BENZENE, METHANE SCATTERING, SYMMETRY, ENERGY BANDS, CRYSTALLINE STRUCTURES, LATTICE VIBRATION & ELECTRONIC EFFECTS N63-14482 10-25

ACTIVATED SINTERING OF TUNGSTEN N63-14670 10-18

ACTIVATED SINTERING AND DENSIFICATION OF TUNGSTEN WITH TRANSITION ELEMENTS N63-14671 10-18

GRAIN BOUNDARY DIFFUSION IN TUNGSTEN SINTERING - IRIDIUM DECELERATION OF INTERFACIAL DIFFUSION N63-14672 10-18

PHASE RELATIONSHIPS IN ACTIVATED SINTERING OF TUNGSTEN, IRON & COBALT - TRANSITION ELEMENTS COMPARED N63-14673 10-18

LIQUID PHASE AND ACTIVATED SINTERING OF TUNGSTEN - INFLUENCE OF ALLOYS - CARRIER PHASE SINTERING N63-14674 10-18

MAGNETIC LOSS IN GARNET FERROMAGNETS - MAGNETOMETER, ELECTRIC & MAGNETIC PROPERTIES OF VANADIUM OXIDES AND TITANIUM OXIDES
AFCRL-62-553 N63-14777 11-23

FLAT PLATE VIBRATION IN FLOW FIELDS - MECHANISM OF SELF-EXCITATION
R-62-36 N63-14833 11-33

MAGNETOHYDRODYNAMIC FLOW PAST NONCONDUCTING FLAT PLATE IN PRESENCE OF TRANSVERSE MAGNETIC FIELD
MIT-TR-397 N63-14964 11-03

STOCHASTIC PROCESS APPLIED TO OPTIMIZING SYSTEM OUTPUT
MIT-TR-391 N63-14965 11-20

LIQUID HELIUM TEMPERATURE AND RISE TIME DEPENDENCE OF ELECTRIC BREAKDOWN STRENGTH OF ALKALI HALIDE CRYSTALS N63-15186 11-25

CRYSTAL STRUCTURE AND MAGNETIC PROPERTIES OF ZINC CYANIDE AND TRANSITION ELEMENT ALLOYS AS DETERMINED BY X-RAY AND NEUTRON DIFFRACTION N63-15240 11-18

ISOTOPE SHIFT AND SATURATION BEHAVIOR OF 1.5 MU OPTICAL TRANSITION OF NEON MASERS N63-15453 12-25

INVESTIGATION OF REINFORCED PLASTICS - RESIN-GLASS FIBERS
WADD-TR-60-746, PT. II N63-15465 12-18

RADIO PHYSICS, PLASMA PHYSICS, COMMUNICATION SCIENCES AND ENGINEERING N63-15811 13-01

NEUROLOGICAL MODELS AND INTEGRATIVE PROCESSES N63-15888 13-16

SONIC BOOM CAUSED BY SUPERSONIC AIRCRAFT
MIT-AL-TR-29 N63-15946 13-04

RELATIONSHIP OF PLASTIC ANISOTROPY TO CRYSTALLOGRAPHY TEXTUBE FOR CUBIC METAL
WAL-TR-834.12/2-1 N63-15974 13-18

FRICTION AND WEAR AT ELEVATED TEMPERATURE
WADC-TR-59-603, PT. IV N63-16109 13-17

RELIABILITY HANDBOOK FOR ELECTRONIC DESIGNERS - APOLLO NAVIGATION AND GUIDANCE
R-368 N63-16154 13-17

INTERNAL OXIDATION OF BINARY AND TERNARY ALLOYS - OXIDE STABILITY - OXIDE DISPERSION STRENGTHENING OF ALLOYS
DSR-8692 N63-16227 13-18

EVALUATION OF TECHNIQUES FOR CONSTRUCTING MODEL STRUCTURAL ELEMENTS

MIT R62-15 N63-16311 13-34

DESIGN AND INITIAL OPERATION OF MAGNETIC SUSPENSION AND FORCE MEASUREMENT SYSTEM FOR WIND TUNNEL MODELS - LEVITATION COIL
ARL-63-16 N63-16372 14-02

ANALOG-DIGITAL COMPUTATION TECHNIQUES - PARTIAL DIFFERENTIAL EQUATIONS - SPEECH SYNTHESIS - DIGITAL COMPUTER CATHODE RAY TUBE DISPLAY
ESL-FR-165 N63-16395 14-20

LOW DENSITY WIND TUNNELS OPERATING WITH HIGH STAGNATION TEMPERATURES
ASD-TDR-63-154 N63-16402 14-10

DIGITAL FILTER AND APPLICATION TO SEISMIC DETECTION AND DISCRIMINATION - NUCLEAR EXPLOSION
AFCRL-63-604 N63-16458 14-12

PATTERN RECOGNITION DEVICE FOR LINE SEGMENT DETECTION FOR USE WITH BUBBLE CHAMBER PARTICLE TRACKS
NYO-2667 N63-16469 14-15

RAREFIED GAS FLOW THROUGH CASCADE OF FLAT PLATES - APPLICATION TO VACUUM PUMPING
N63-16494 14-11

SPACE-TIME CORRELATION MEASUREMENTS OF LOCAL MEAN VELOCITY IN MIXING REGION OF A JET
ASRL-TR-1008 N63-16683 14-11

HIGH DIELECTRIC-CONSTANT MATERIALS AND FERROELECTRICITY - CRYSTAL GROWTH
MIT-TR-178 N63-16698 14-23

INERTIAL GUIDANCE SYSTEMS - CENTRIFUGE AND ROCKET SLED TEST METHOD N63-16865 14-22

FLAME ANALYSIS - FLAME PROPAGATION AND STABILITY IN BOUNDARY LAYER FLOW - COMBUSTION
N63-16956 14-26

LINEARIZED THEORY FOR UNSTEADY TRANSONIC FLOW
MIT FLUID DYN. RES. LAB.-63-2
N63-17020 15-11

AXIAL FIELD EFFECT IN MAGNETICALLY DRIVEN SHOCK TUBE
MIT-TR-408 N63-17173 15-11

FERROELECTRICITY AND CHEMICAL BONDING IN BARIUM TITANATE
MIT-TR-179 N63-17564 16-07

MATERIALS SCIENCE AND ENGINEERING
N63-17620 16-01

METEOROLOGY - ENERGY CONVERSION, ANGULAR MOMENTUM, MASS TRANSFER AND WIND CIRCULATION IN STRATOSPHERE
AFCRL-63-435 N63-17783 16-21

KINETIC ENERGY IN STRATOSPHERE AND VERTICAL STRATOSPHERIC MOTION N63-17784 16-21

KINETIC AND POTENTIAL ENERGY OF STRATOSPHERE - NUMERICAL APPROXIMATION OF INTEGRAL EQUATIONS
N63-17785 16-21

DIFFERENTIAL EQUATION OF ANGULAR MOMENTUM BALANCE IN STRATOSPHERE - WIND OBSERVATION DATA
N63-17786 16-21

MERIDIONAL FLOW WIND CIRCULATION IN STRATOSPHERE
N63-17787 16-21

MASS TRANSFER AND DISTRIBUTION IN TROPOPAUSE AND STRATOSPHERE N63-17788 16-21

HORIZONTAL AND VERTICAL MOTION OF WIND CIRCULATION IN STRATOSPHERE N63-17789 16-21

MATHEMATICAL ANALYSIS OF U AND V FIELDS IN POLAR REGIONS - WIND N63-17790 16-21

POTENTIAL TO KINETIC ENERGY CONVERSION PROCESS IN STRATOSPHERE N63-17791 16-21

PERTURBATION CONTROL FOR MIDCOURSE GUIDANCE IN SPACE TRAJECTORY PROGRAM
AIAA PAPER-63-222 N63-17924 16-22

DETERMINATION OF BEHAVIOR OF AN AUTOMATON - MEMORY ASPECTS
MIT-TR-411 N63-18004 16-09

LIFE TESTING OF BEARINGS AND LUBRICANTS
E-1349 N63-18121 16-17

LIFE TESTING OF BEARINGS AND LUBRICANTS - THERMOELECTRIC COOLING OF BEARING SYSTEMS
E-1222 N63-18122 16-17

LIFE TESTING OF BEARINGS AND LUBRICANTS
E-1312 N63-18124 16-17

MEASUREMENTS OF PRESSURE SPACE-TIME COVARIANCE IN NEAR FIELD OF SEVERAL SUBSONIC JETS - MEAN FLOW DATA, TURBULENCE LEVELS AND POWER SPECTRA
NASA-CR-50585 N63-18254 17-11

BEARING YIELD & LIFE IMPROVEMENT AND THERMO-ELECTRIC COOLING PROGRAM - AUG 1962
E-1214 N63-18358 17-17

BEARING YIELD & LIFE IMPROVEMENT AND THERMO-ELECTRIC COOLING PROGRAM - OCT 1962
E-1249 N63-18359 17-17

BEARING YIELD & LIFE IMPROVEMENT AND THERMO-ELECTRIC COOLING PROGRAM - JAN 1963
E-1276 N63-18365 17-17

BEARING YIELD & LIFE IMPROVEMENT AND THERMO-ELECTRIC COOLING PROGRAM - DEC 1962
E-1266 N63-18366 17-17

PLASMA PROBE MEASUREMENTS OF INTERPLANETARY SPACE BY EXPLORER X SATELLITE
NASA-CR-50446 N63-18368 17-24

BEARING YIELD & LIFE IMPROVEMENT AND THERMO-ELECTRIC COOLING PROGRAM - FEB 1963
E-1317 N63-18424 17-17

FLOW PATTERN FOR DUCTED FLOW TURBULENT JETS AND FURNACES N63-18503 17-11

FLAME PROPAGATION IN LAMINAR BOUNDARY LAYERS
N63-18505 17-26

RAMJET BAFFLE TYPE COMBUSTION CHAMBERS & TURBULENT FLOW STUDIES N63-18585 17-27

SOLID BODY RESPONSE TO HIGH INTENSITY BLAST LOADS, EFFECT OF MATERIAL STRENGTH - HYDRODYNAMIC CALCULATIONS
ASRL-TR-106-1 N63-18686 17-11

MOTION EQUATIONS AND DESIGN OF SINGLE DEGREE OF FREEDOM GYROSCOPES TO DAMPEN ATTITUDE ERROR RATES OF EARTH-POINTING SATELLITES
R-398 N63-18812 18-15

IONIC CONDUCTION OF POTASSIUM CHLORIDE-POTASSIUM BROMIDE MIXED SINGLE CRYSTALS AS FUNCTION OF COMPOSITION AND HEAT TREATMENT OF SAMPLES
MIT-TR-180 N63-18875 18-25

SQUID PROJECT - THERMOCONDUCTIVITY OF NITROGEN AND ARGON
MIT-34-P N63-18984 18-13

INTERFERENCE PHENOMENON FOR FLOW FIELDS OF LIFTING SURFACES AND BODIES
MIT FLUID DYN. RES. LAB.-63-3
N63-19113 18-02

THERMOCONDUCTIVITY OF STEAM UNDER PRESSURE - SQUID PROJECT
MIT-32-P N63-19167 18-13

ENERGY TRANSFER IN DENSE PLASMA - BOUNDARY LAYER TRANSPORT PROPERTY AND RADIATION CONDUCTION
N63-19350 18-24

ULTRAHIGH VACUUM AND TEMPERATURE EFFECTS ON

ABILITY OF SPORE AND SOIL ORGANISMS
N63-19474 19-16

UGHNESS AND PLASTIC PROPERTIES OF ALUMINUM-
GNESIUM ALLOYS IN WELDED CONDITION
N63-19529 19-18

ASUREMENTS BASED ON ZONAL HARMONIC ANALYSIS -
LATION OF EDDY TRANSPORT PROCESSES AND
ERGETICS TO ATMOSPHERIC EFFECTS
CRL-63-628 N63-19554 19-21

MISPHERICAL CORRELATIONS OF VERTICAL AND
RIDIONAL WIND COMPONENTS N63-19556 19-21

RIDIONAL EDDY TRANSPORT OF KINETIC ENERGY AT
0-MB N63-19557 19-21

LEWARD FLUX OF ATMOSPHERIC ANGULAR MOMENTUM IN
E SOUTHERN HEMISPHERE N63-19558 19-21

INTENANCE OF THE KINETIC ENERGY OF MEAN ZONAL
OW IN THE SOUTHERN HEMISPHERE
N63-19559 19-21

INTENANCE OF KINETIC ENERGY OF LARGE-SCALE
ATIONARY DISTURBANCES IN ATMOSPHERE
N63-19560 19-21

DY FLUX OF WATER VAPOR IN THE NORTHERN
MISPHERE N63-19561 19-21

ATISTICS DESCRIBING THE KINETIC ENERGY AND
MENTUM TRANSPORT DISTRIBUTIONS OF WIND AS
INCTIONS OF WAVE NUMBER N63-19563 19-21

DES OF RELEASE OF AVAILABLE POTENTIAL ENERGY IN
E ATMOSPHERE N63-19564 19-21

ATISTICS ON THE MODES OF RELEASE OF AVAILABLE
TENTIAL ENERGY IN THE ATMOSPHERE
N63-19565 19-21

NAL HARMONIC REPRESENTATION OF THE ATMOSPHERIC
NERGY CYCLE - REVIEW OF MEASUREMENTS
N63-19566 19-21

YDRODYNAMICAL RED SHIFT PHENOMENA IN GEOPHYSICS
N63-19567 19-21

ASIC ATMOSPHERIC PROCESSES AND THEIR COUNTERPARTS
N CELESTIAL MECHANICS N63-19568 19-05

OLUTION OF NONLINEAR EQUATIONS OF CELLULAR
ONVECTION AND HEAT TRANSFER N63-19570 19-13

NALYSIS OF VARIOUS LARGE-SCALE DISTURBANCES AND
SSOCIATED ZONAL MEAN MOTION IN THE ATMOSPHERE
N63-19571 19-21

OUNTAINS - ROLE IN ENERGY BUDGET OF THE
TMOSPHERE N63-19572 19-21

ERTURBATION EQUATIONS FOR TIME-AVERAGE STATE OF
HE ATMOSPHERE INCLUDING EFFECTS OF TRANSIENT
ISTURBANCES N63-19573 19-21

QUATIONS GOVERNING FORCED RESPONSE OF THE
TMOSPHERE TO FIXED SOURCES AND SINKS OF HEAT AND
OMENTUM N63-19574 19-21

YNAMIC EQUATIONS APPLIED TO ROTATING-BASIN
XPERIMENTS N63-19575 19-23

UBSTRUCTURE AND MECHANICAL PROPERTIES OF BODY
ENTERED CUBIC REFRACTORY METALS STUDIED BY
LECTRON MICROSCOPY OF TUNGSTEN WIRE & CRYSTALS
N63-19658 19-18

OLAR SEMIDIURNAL TIDE ENERGETICS IN EARTH
TMOSPHERE
FCRL-63-690 N63-19728 19-21

LASTIC ANISOTROPY OF MAGNESIUM ALLOY SHEETS -
OLLING AND TRANSVERSE DIRECTION TENSILE STRENGTH
AL-TR-834.12/2-2 N63-20026 19-18

ADIOACTIVE DATING OF GEOLOGICAL FORMATIONS AND
ETEORITES

NYO-3943 N63-20035 19-12

ZERO-CROSSINGS, PEAKS AND STATISTICAL MEASURES OF
RANDOM RESPONSES OF NONLINEAR SYSTEMS
N63-20104 20-23

PERTURBATION TECHNIQUES FOR RANDOM VIBRATION OF
LINEAR SYSTEMS N63-20105 20-23

SIMPLIFIED DYNAMIC EQUATIONS FOR ATMOSPHERIC
PREDICTIONS - WEATHER FORECASTING
AFCRL-63-696 N63-20137 20-21

RADIO PHYSICS, PLASMA DYNAMICS, COMMUNICATION
SCIENCES AND ENGINEERING RESEARCH
N63-20521 20-23

GEOMAGNETICALLY TRAPPED PROTONS WITH ENERGIES
GREATER THAN 350-MEV N63-20648 20-28

NONEQUILIBRIUM AXISYMMETRIC BLUNT BODY FLOW-SHOCK
WAVE CHEMICAL COUPLING BY INTEGRAL RELATIONS
MIT-DSR-9126 N63-20659 20-11

ONE-DIMENSIONAL MODEL FOR COMPRESSIBLE FLOW IN
TRAVELING WAVE PUMP
MIT-DSR-9015 N63-20751 21-11

REDUNDANT MEASUREMENTS FOR SPACE NAVIGATION -
RANDOM VARIABLES, STATE VECTOR, BAYES ESTIMATOR
AIAA PAPER-63-333 N63-20757 21-29

PLASMA ACCELERATION BY TRAVELING ELECTROMAGNETIC
WAVES
ARL-63-84 N63-20766 21-19

ANALOG-DIGITAL COMPUTER FOR REAL-TIME SIMULATION
NAVTRADEVCEN-594-1 N63-20964 21-20

PIEZOELECTRIC COUPLING BETWEEN ULTRASONIC WAVES
AND FREE ELECTRONS IN CADMIUM SULFIDE
MIT-TR-181 N63-20974 21-25

INFLUENCE OF WELDING VARIABLES ON TENSILE STRENGTH
AND PLASTICITY OF WELDED ALUMINUM-MAGNESIUM ALLOY
PLATE N63-21189 21-18

STRATOSPHERIC CIRCULATION - SEASONAL VARIATIONS,
KINETIC ENERGY BUDGET, WAVE NUMBER ANALYSIS, AND
ZONE FLOW N63-21401 22-12

GAS DYNAMICS - SHOCK WAVE THICKNESS BY MONTE CARLO
METHOD N63-21572 22-24

RAREFIED GAS DYNAMICS - LOW DENSITY FLOW NEAR
LEADING EDGE OF FLAT PLATE IN HYPERSONIC STREAM
N63-21598 22-11

ROTOR BLADE HARMONIC AIRLOADING OF HELICOPTER AND
V/STOL AIRCRAFT N63-21831 22-04

EFFECT OF NONRIGID WAKE ON HELICOPTER ROTOR
BLADE AIRLOADS IN TRANSITION FLIGHT
N63-21832 22-03

ELECTROHYDRODYNAMICS AND WAVE-TYPE
MAGNETOHYDRODYNAMIC A-C POWER GENERATION
NASA-CR-50845 N63-21999 22-24

DYNAMIC CALIBRATION OF OCEAN WAVE RESISTANCE,
CAPACITANCE, AND SONIC PROBES
N63-22120 22-11

WEATHER RESEARCH - CLOUD MASS AND PRECIPITATION,
VERTICAL MOTION RESOLUTION, AND PROBABILISTIC
FORECASTING N63-22241 23-21

DIGITAL TECHNIQUE FOR MEASUREMENT OF
AUTOCORRELATION FUNCTION & POWER SPECTRUM OF
GAUSSIAN RANDOM SIGNALS
MIT-TR-412 N63-22274 23-05

STRAIN HARDENING AND AUSFORMING IN AN IRON-NICKEL
ALLOY - DUCTILITY, YIELD AND TENSILE STRENGTH
ARL-63-124 N63-22496 23-16

EFFECT OF FREE STREAM TURBULENCE & VORTICITY ON
RADIATIVE SOUND FIELD OF A FREE JET - POWER
SPECTRA AND SOUND PRODUCTION PROCESS

NASA-CR-51985 N63-23009 24-11

ADAPTIVE CONTROL SYSTEM APPLIED TO NONLINEAR SYSTEMS
R-407 N63-23106 24-09

ENERGY CONVERSION SYSTEM FOR MANNED SPACE FLIGHT
N63-23238 24-01

MATERIALS, PROCESSES, AND DEVICES RELATED TO ENERGY CONVERSION N63-23455 24-09

JOINING CURRENT CONTACTS TO SUPERCONDUCTING WIRE
N63-23456 24-09

PREDICTED PERFORMANCE OF AIR ELECTRODES
N63-23457 24-09

FUEL CELLS USING FLOODED FLOW ELECTRODES OF SILVER OR PLATINUM SCREEN N63-23458 24-09

DEVELOPMENT OF THERMIONIC EMITTER MATERIALS
N63-23459 24-09

PLASMA ACCELERATION BY TRAVELING MAGNETIC WAVE
N63-23478 24-24

CONVENTIONAL AND FEEDBACK FREQUENCY MODULATION SYSTEMS - NOISE THRESHOLD ANALYSIS
N63-23575 24-09

TRANSMISSION COEFFICIENTS OF WIRE MESH WAVE ENERGY DISSIPATORS
R63-44 N63-23704 24-23

MASSACHUSETTS U., AMHERST.
LASER AS A LIGHT SOURCE FOR PHOTOGRAPHIC LIGHT SCATTERING FROM POLYMER FILMS
ONR-TR-46 N63-11555 04-23

CRYSTALLINITY OF POLYETHYLENE AND POLYPROPYLENE - COMPARISON OF METHODS
ONR-TR-50 N63-11556 04-07

THE INTERNAL FIELD AND BOND POLARIZABILITIES OF HYDROCARBONS
ONR-TR-40 N63-11559 04-07

EOLIAN GEOMORPHOLOGY, WIND DIRECTION, AND CLIMATIC CHANGE IN NORTH AFRICA
AFCRL-63-443 N63-16380 14-21

LATTICE MODEL FOR LIGHT SCATTERING FROM CRYSTALLINE POLYMERS
ONR-TR-49 N63-17526 16-25

DETERMINATION OF STATE OF BIAXIAL ORIENTATION IN CRYSTALLITES OF POLYCRYSTALLINE POLYMER BY X-RAY DIFFRACTION
ONR-TR-51 N63-17605 16-25

EFFECT OF MECHANICAL AND HEAT TREATMENT ON X-RAY DIFFRACTION PATTERNS OF POLYBUTENE-1
ONR-TR-52 N63-17717 16-07

DETECTION AND MEMORY IN VISUAL DISCRIMINATION RECOVERY TASK
ESD-TDR-63-343 N63-17762 16-14

SPHERULITE DEFORMATION BY LOW-ANGLE LIGHT SCATTERING
ONR-TR-60 N63-22407 23-19

TWO FORMS OF POLYTETRAFLUOROETHYLENE SPHERULITES AND LIGHT SCATTERING PATTERNS
ONR-TR-61 N63-22408 23-19

SPHERULITE DEFORMATION IN POLYBUTENE
ONR-TR-62 N63-22409 23-19

EFFECTS OF INPUT VARIABLES ON MULTI-TARGET ALPHABETIC DISPLAYS
ESD-TDR-63-546 N63-22926 23-14

DEPOLARIZATION OF SCATTERED LIGHT BY N-PARAFFIN VAPORS TO EXPLORE PRINCIPLE OF ADDITIVITY OF BOND POLARIZABLE TENSORS
ONR-TR-63 N63-22972 23-23

MATERIALS RESEARCH CORP., ORANGEBURG, N.Y.
ROLE OF GRAIN BOUNDARY IN DEFORMATION OF MAGNESIUM OXIDE CERAMICS - CREEP ANALYSIS
ASD-TDR-62-225 N63-15422 12-1

MECHANICAL PROPERTY OF TANTALUM - DUCTILE-BRITTLE TRANSITION
ASD-TR-61-203, PT. II N63-15715 12-1

INTERACTION OF IMPURITY ATOMS AND DISLOCATIONS IN REFRACTORY METALS - MOLYBDENUM SINGLE CRYSTAL - STRAIN AGING AND TENSILE CREEP
ASD-TDR-63-238 N63-18079 16-1

MECHANICAL BEHAVIOR OF MAGNESIUM OXIDE GRAIN BOUNDARIES AT HIGH TEMPERATURES
ASD-TDR-62-225, PT. II N63-18634 17-1

MATERIALS RESEARCH LAB., INC., RICHTON PARK, ILL.
APPLICATION OF FRACTURE MECHANICS TO ADHESIVE JOINTS TO ESTABLISH TOUGHNESS STANDARDS TO STRUCTURAL MATERIALS N63-13732 08-3

FRACTURE TOUGHNESS OF EPOXY ADHESIVE JOINTS WITH ALUMINUM, GLASS, AND FIBERGLAS
N63-13733 08-3

ROLL FORMING OF REFRACTORY METALS - TENSILE STRENGTH - MOLYBDENUM TITANIUM ALLOY
N63-19632 19-18

STRAIN SOFTENING TO IMPROVE THE PROPERTIES OF REFRACTORY METALS N63-23584 24-18

MATRIX CORP., ARLINGTON, VA.
QUALITATIVE AND QUANTITATIVE PERSONNEL REQUIREMENT INFORMATION /QQPRI/ - USES, CONSTRAINTS, DATA, AND DECISION REPORTS
MRL-TDR-62-4 N63-13146 07-0

FIELD SURVEY OF SELF-TUTORING COURSE FOR ON-SITE TRAINING IN SAGE AN/FST-2 MAINTENANCE
MATRIX-62-11 N63-13164 07-0

MAX-PLANCK-INSTITUT FUR AERONOMIE, LINDAU UBER NORTHEIM /W. GERMANY/.
THE UPPER ATMOSPHERE BOUNDARY LAYER BETWEEN EARTH AND INTERPLANETARY SPACE
WGL PAPER-2 N63-10002 01-12

MAX-PLANCK-INSTITUT FUR ARBEITSPHYSIOLOGIE, DORTMUND /W. GERMANY/.
BIODYNAMIC PROBLEMS OF AIR AND SPACE TRAVEL
WGL PAPER-66 N63-10061 01-16

MAX-PLANCK-INSTITUT FUR CHEMIE, MAINZ /W. GERMANY/.
METHODS AND USES OF MASS SPECTROSCOPY
AEC-TR-5080 N63-10674 02-15

CHLORINE AND ARGON ISOTOPES IN METEORITES AND TERRESTRIAL AGE OF IRON METEORITES
AFCRL-62-1092 N63-11016 03-12

TRITIUM IN ATMOSPHERIC GASES - HYDROGEN & METHANE
AFCRL-63-260 N63-14090 09-07

MAX-PLANCK-INSTITUT FUR MEDIZINISCHE FORSCHUNG, HEIDELBERG /W. GERMANY/.
IMAGINATIVE SENSE IN SCIENCE N63-18915 18-01

MAX-PLANCK-INSTITUT FUR PHYSIK UND ASTROPHYSIK, MUNICH /W. GERMANY/.
PLASMA IN INTERPLANETARY SPACE
WGL PAPER-1 N63-10001 01-29

PLASMA IN INTERPLANETARY SPACE - SPATIAL AND TEMPORAL DISTRIBUTION AND PLASMA DYNAMICS
NASA-TN-D-1901 N63-22113 22-29

MAX-PLANCK-INSTITUT FUR STROMUNGSFORSCHUNG, GOTTINGEN /W. GERMANY/.
CALCULATION OF TWO-DIMENSIONAL INCOMPRESSIBLE POTENTIAL FLOW AROUND SEVERAL PROFILES IN SAME FLOW FIELD WHICH EXERT MUTUAL INTERFERENCE
N63-15455 12-11

MAXSON ELECTRONICS CORP., NEW YORK, N.Y.
TACTICAL AIR NAVIGATION TRANSMITTER
ESD-TDR-63-609 N63-22422 23-08

MB ASSOCIATES, WALNUT CREEK, CALIF.
DEVELOPMENT OF EXPLOSIVE SABOTING TECHNIQUE FOR LIGHT GAS GUN N63-16143 13-10

SABOTS AND PROJECTILES FOR LIGHT GAS HYPERVELOCITY LAUNCHERS
MB-R-63-14 N63-22123 22-11

EXPLOSIVE MAGNETOHYDRODYNAMIC GENERATORS FOR ULTRAHIGH POWER PULSES N63-22292 23-24

MB ELECTRONICS, NEW HAVEN, CONN.
RELATIONSHIP BETWEEN RANDOM VIBRATION TESTS AND FIELD ENVIRONMENT N63-16762 14-10

MCDONNELL AIRCRAFT CORP., ST. LOUIS, MO.
EFFECT OF SPACE ON MAN N63-10932 02-16

RELIABILITY TESTING BY DATA COLLECTION AND EVALUATION N63-17267 15-17

MERCURY SPACECRAFT PRELAUNCH TESTING N63-17518 16-32

VISUAL SUBSYSTEM OF MERCURY CAPSULE - VISION IN ORBIT - VISUAL PERCEPTION PROBLEM N63-19247 18-14

IN-FLIGHT PANEL FLUTTER AND WIND TUNNEL TEST DATA
ATC-ARTC-32 N63-20579 20-33

LAP SHEAR STRENGTH OF ROLL SEAM WELDED TITANIUM JOINTS
A062 N63-21194 21-18

REAGING OF INCONEL-X SHEET MATERIAL AFTER SEAM WELDING
A065 N63-21198 21-18

DETERMINING STRENGTH OF BUTT WELDED AND LAP WELDED TITANIUM JOINTS
A061 N63-21371 22-18

METALLURGICAL EFFECT OF COMPOUNDS AND LUBRICANTS ON HIGH TEMPERATURE ALLOYS AT ELEVATED TEMPERATURES AND UNSTRESSED CONDITIONS
A078 N63-21409 22-17

MATERIALS TESTING INDEX
A082 N63-21660 22-19

HEATING AND FREEZING EFFECTS ON HONEYCOMB PANELS - CORE-TO-SKIN BOND FAILURE
A077 N63-21661 22-17

PRESSURE IMPULSE FATIGUE TEST OF WELDED STAINLESS STEEL TUBING
A059 N63-21662 22-33

EVALUATION OF BA-91 ELECTRODES - DUCTILITY AND STRENGTH
A058 N63-21663 22-09

FATIGUE CRACK PROPAGATION IN AIRCRAFT CABLE TERMINALS
A054 N63-21664 22-33

HEAT TREATMENT OF LIGHT GAUGE INCONEL X WELDMENTS AND EXAMINATION OF WELDS BY VARIOUS METHODS OF INSPECTION
A066 N63-21665 22-13

MINIMUM BEND RADIUS AND PERCENT SPRINGBACK OF X2020 ALUMINUM ALLOY
A052 N63-21867 22-18

TIME AND TEMPERATURE EFFECT OF HEATING ALUMINUM ALLOYS
A053 N63-21868 22-18

ELECTROLYTIC MACHINING PROCESS FOR APPLICATION TO 4140 ALLOY STEEL
A055 N63-21869 22-17

EVALUATION OF STEEL ALLOY - MAXELLOY
A056 N63-21870 22-18

HYDROGEN EMBRITTLEMENT OF STEEL AFTER NICKEL-CADMIUM DIFFUSION PLATING - EFFECT OF DIFFUSION TIME INCREASE & STRESS RELIEF
A057 N63-21871 22-18

HELIARC FUSION SPOT WELDS OF VARIOUS MATERIAL AND THICKNESS COMBINATIONS
A060 N63-21872 22-17

BASIC SHEET STRENGTH OF ROLL-SEAM WELDED TITANIUM AND FAILURE DISTANT FROM HEATED WELD AREA
A063 N63-21873 22-18

RIVET SQUEEZING FORCE REDUCTION - MONEL & A-286 STANDARD RIVETS
A064 N63-21874 22-17

EVALUATION OF PICKLING SOLUTIONS FOR SUPERALLOY IN VIRGO SALT BATH
A067 N63-21875 22-18

STATIC AND DYNAMIC MECHANICAL PROPERTIES OF BERYLLIUM SHEET
A068 N63-21876 22-18

ELECTRON BEAM WELDMENTS OF COATED AND UNCOATED D-14 NIOBIUM ALLOY
A069 N63-21877 22-18

TENSILE STRENGTH OF COATED D-36 NIOBIUM ALLOY
A070 N63-21878 22-18

ROOM AND ELEVATED THERMAL PROPERTIES OF TITANIUM-MOLYBDENUM ALLOYS
A071 N63-21879 22-18

STRESS RUPTURE AT ELEVATED TEMPERATURE OF TANTALUM ALLOY
A072 N63-21880 22-18

MECHANICAL PROPERTIES OF ANNEALED VANADIUM BASE ALLOY - WELDABILITY AND FORMABILITY
A073 N63-21881 22-18

EFFECT OF TANK-TYPE PAINT STRIPPERS ON AIRCRAFT MATERIALS - REMOVAL OF EPOXY PAINT
A074 N63-21882 22-17

EFFECT OF TIME AND TEMPERATURE UPON COMPRESSIVE STRENGTH OF CASTABLE EDGING
A075 N63-21883 22-17

ADHESIVE BONDING OF STEEL TO ALUMINUM - TESTING OF STRENGTH, ADHESIVE FLOW, BOND LINE THICKNESS AND BOLT TORQUE VALUES
A076 N63-21884 22-17

ABRASION PROTECTION OF BLACK ANODIZED ETCHED PANELS
A079 N63-21885 22-17

ELASTOMERIC COATINGS COMPARED TO STAINLESS STEEL AS EROSION RESISTANT LEADING EDGE OF HELICOPTER ROTOR BLADES
A080 N63-21886 22-18

GEMINI GUIDANCE & CONTROL SIMULATION FOR SPACE RENDEZVOUS MANEUVER N63-23219 24-22

MCGILL U., MONTREAL /CANADA/.
INSOLATION AND ABSORBED SOLAR RADIATION AT THE ARCTIC SURFACE
AFCRL-62-1068 N63-10941 02-21

ALBEDO OF ARCTIC SURFACES
AFCRL-62-1069 N63-10942 02-21

HARP PROJECT - RESEARCH FACILITY FOR GUN-LAUNCHED HIGH ALTITUDE VERTICAL PROBES N63-12415 06-12

MEAN SEASONAL CROSS SECTIONS ALONG 80-DEGREES WEST CONSTRUCTED FROM DAILY DATA - MEANS & STANDARD DEVIATIONS FOR JETSTREAMS N63-14068 09-21

HYPERSONIC AIR BREATHING ENGINES - DEVELOPMENT OF BASIC TEST FACILITIES N63-14517 10-27

SUPERSONIC COMBUSTION OF HYDROGEN IN HOT AIR N63-16324 13-26

MATHEMATICAL ANALYSIS OF HYPERVELOCITY IMPACT OF PELLETS WITH THIN PLATES
NASA-CR-50706 N63-18648 17-05

CALIBRATION OF FLYABLE MASS SPECTROMETER FOR NITROGEN AND OXYGEN ATOMS
AFCRL-63-437 N63-18808 18-15

SUPERSONIC COMBUSTION - SUPERSONIC TURBULENT MIXING OF CARBON DIOXIDE AND AIR STREAMS
N63-19363 18-11

ANALYSIS, DESIGN AND CONSTRUCTION OF CONDUCTIVE-CONVECTIVE HEAT FLUX INSTRUMENT TO MEASURE GAS TEMPERATURE ABOVE 2000-DEG C N63-19364 18-15

FIVE-DIMENSIONAL WEATHER RADAR - CAPPI AND GREY SCALE PHOTOGRAPH DISPLAY
AFCRL-63-449 N63-19628 19-21

GUN LAUNCHED HYPERSONIC RAMJET PERFORMANCE STUDY
N63-20024 19-27

HYPERSONIC SHOCK WAVES AS A FUNCTION OF ANGLE OF ATTACK & RAMJET CAPABILITIES N63-20025 19-11

VALUES OF GEOSTROPHIC MERIDIONAL ADVECTION OF MOISTURE OBTAINED BY CONTOUR-CHANNEL METHOD
N63-22479 23-12

EFFECT OF JET ENTRAINMENT ON LIFT AND MOMENT FOR THIN AIRFOIL WITH BLOWING N63-22624 23-02

RADIAL COMPRESSIBLE FLOW BETWEEN PARALLEL DISCS AT SUBSONIC SPEEDS N63-22625 23-11

CALIBRATION OF CASCADE WIND TUNNEL
N63-22626 23-10

DISA CONSTANT-TEMPERATURE HOT WIRE ANEMOMETER - TURBULENT STRESS MEASUREMENT IN FULLY DEVELOPED PIPE FLOW N63-22725 23-09

ICE TRANSPORT BETWEEN GREENLAND AND SPITSBERGEN AND ITS CAUSES
AFCRL-63-886 N63-22801 23-12

SWIRL-FREE, INCOMPRESSIBLE FLOW IN RADIAL DIFFUSER
N63-22998 23-02

HIGH FIELD MAGNET SYSTEMS - TWO REGION SOLENOIDS
N63-23286 24-09

DESIGN OF TWO REGION SOLENOIDS FOR HIGHER MAGNETIC EFFICIENCY & REDUCTION OF STRESS LEVEL - HIGH FIELD CRYOGENIC MAGNET N63-23287 24-09

300,000 GAUSS TWO REGION ALUMINUM SOLENOID CRYOGENIC MAGNET FOR INTERMITTENT OPERATION
N63-23288 24-09

TRANSVERSE MAGNETORESISTANCE OF HIGH TENSILE STRENGTH COPPER ALLOYS FOR USE IN CRYOGENIC ELECTRICAL APPARATUS N63-23289 24-18

MAGNETIC SUSCEPTIBILITY OF IRON GROUP COMPOUNDS IN FIELDS TO 500,000 GAUSS N63-23290 24-09

MULTI-LEVEL CONVECTIVE HEAT TRANSPORT - POLEWARD TRANSFER OF SENSIBLE HEAT BY ATMOSPHERIC WAVES
AFCRL-63-678 N63-23346 24-21

KINEMATIC DIVERGENCE & LARGE SCALE ENERGY CONVERSION PROCESSES ANALYZED FROM WINDS & TEMPERATURE REPORTED BY RAWINSONDE NETWORK
AFCRL-63-840 N63-23356 24-21

TURBULENT RADIAL FLOW BETWEEN PARALLEL DISCS HAVING BOTH SUPERSONIC AND SUBSONIC FLOW REGIONS
N63-23709 24-02

MCMURRY COLL., ABILENE, TEX.
INDUCTANCE AND CAPACITANCE DETERMINATIONS FOR CIRCULAR CUT QUARTZ PLATES FOR USE AS RESONATORS IN FILTER CIRCUITS AND OSCILLATOR UNITS
N63-13202 07-09

MECHANICAL TECHNOLOGY, INC., LATHAM, N.Y.
BEARING MATERIALS FOR PROCESS FLUID LUBRICANTS - WATER, CORROSION, OXIDE FILMS
MTI-62TR20 N63-10096 01-17

PLAIN CYLINDRICAL JOURNAL BEARINGS IN A TURBULENT REGIME
MTI-62TR22 N63-10125 01-17

ELASTOHYDRODYNAMIC LUBRICATION - ROLLING CONTACT FATIGUE, FILM THICKNESS AND TEMPERATURE
MTI-62TR29 N63-11756 04-17

TWO-PHASE FLOW IN THRUST BEARINGS - LUBRICATION
MTI-62TR40 N63-13086 07-17

SURFACE TEMPERATURE IN ROLLING-SLIDING CONTACTS LUBRICATED WITH ELASTOHYDRODYNAMIC LUBRICATION
MTI-63TR3 N63-13750 08-17

FORWARD AND INVERSE ITERATION OF THE ELASTO-HYDRODYNAMIC PROBLEM
MTI-62TR37 N63-13751 08-33

COMPUTER SOLUTION OF ELASTOHYDRODYNAMIC EQUATIONS FOR ELASTIC DEFORMATIONS AND FILM THICKNESS UNDER MODERATE LOADING
MTI-62TR38 N63-13752 08-33

THERMAL ANALYSIS AND PRESSURE MEASUREMENT IN ELASTOHYDRODYNAMIC LUBRICATION
MTI-62TR41 N63-14815 11-13

TESTING BEARING MATERIALS FOR PROCESS FLUID LUBRICANTS
MTI-63TR8 N63-14816 11-17

STABILITY ANALYSIS OF CYLINDRICAL GAS JOURNAL BEARINGS OF FINITE LENGTH USING GALERKIN METHOD
MTI-63TR15 N63-15785 13-17

LUBRICANT EVALUATION TECHNIQUE USING COASTDOWN CHARACTERISTICS OF LUBRICATED BALL BEARINGS
MTI-63TR13 N63-15859 13-17

EVALUATION OF COMPLEX BEARING AND/OR LUBRICATION SYSTEMS FOR FLIGHT ACCESSORY EQUIPMENT - ENVIRONMENTAL TESTING
MTI-62TR14 N63-16314 13-17

COMPLEX BEARING AND/OR LUBRICATION SYSTEMS
MTI-62TR34 N63-17683 16-17

BEARING AND LUBRICATION SYSTEMS FOR FLIGHT ACCESSORY EQUIPMENT FOR OPERATION UNDER EXTREME TEMPERATURE, PRESSURE AND NUCLEAR RADIATION
MTI-241/1-63/ N63-17684 16-17

TURBULENT FLOW LIQUID METAL LUBRICATION FOR JOURNAL BEARINGS N63-17852 16-17

DYNAMIC RESPONSE OF ROTOR SYSTEM WITH GAS LUBRICATED BEARINGS - FLUID FILM DAMPING FACTOR - INSTABILITY THRESHOLDS FOR DESTRUCTIVE SELF WHIRL
N63-17864 16-17

STATIC AND DYNAMIC STABILITY OF SELF-ACTING GAS LUBRICATED JOURNAL BEARINGS AT MODERATE COMPRESSIBILITY NUMBERS
NASA-CR-50739 N63-18996 18-17

GROOVED PLATE VISCOUS SHEAR COMPRESSOR UNDER POLYTROPIC FLOW CONDITIONS
MTI-62TR21 N63-23753 24-33

MEDICAL RESEARCH COUNCIL, CAMBRIDGE /GT. BRIT./
HUMAN OPERATOR ACTING THROUGH AMPLIFIERS AND INTEGRATORS WITH CONTROL-DISPLAY COMPATIBILITY
N63-23254 24-14

ROLE OF STRUCTURE IN SERIAL CHOICE TASKS - HUMAN PERFORMANCE N63-23256 24-14

SOURCE OF NONLINEARITY IN PURSUIT TRACKING - HUMAN PERFORMANCE AND TRACKING ERROR
N63-23260 24-14

MELLON INST., PITTSBURGH, PA.
MEASURING INSTRUMENT - TORSIONAL CREEP AND RECOVERY N63-10644 02-15

BALLISTIC PERFORMANCE OF PROTECTIVE BUOYANT MATERIALS N63-14956 11-19

STRESS CORROSION OF HIGH STRENGTH STEELS AND ALLOYS - SIMULATED ENVIRONMENT N63-15417 12-18

MATHEMATICAL THEORY OF BEHAVIOR OF SIMPLE FLUIDS WITH FADING MEMORY - FLUID MECHANICS AND HYDRODYNAMIC EQUATION N63-17738 16-20

IMPACT PRESSURE OF METEORITES FROM COESITE AND STISHOUITE DEPOSITS IN FOSSIL METEORITE CRATERS N63-19115 18-12

MELPAR, INC., FALLS CHURCH, VA.

DISTRIBUTION AND METABOLIC FATE OF 1,1-DIMETHYL HYDRAZINE
AMRL-TDR-62-110 N63-10469 01-16

VOICE DATA PROCESSING SYSTEM - COMPUTER FOR DIGITAL VOICE COMMUNICATION
AFCRL-62-911 N63-12141 05-20

ELECTRICAL CONDUCTIVITY, OXIDATION RESISTANCE, AND MECHANICAL PROPERTIES OF CONDUCTORS AT ELEVATED TEMPERATURES - PURE METALS AND ALLOYS
ASD-TRD-62-481 N63-14230 09-18

DETECTION OF EXTRATERRESTRIAL LIFE BY POLARIMETRIC METHODS N63-15039 11-29

DETECTION OF EXTRATERRESTRIAL LIFE BY ULTRAVIOLET SPECTROPHOTOMETRY N63-15250 12-16

DESIGN STUDY FOR VISUAL FLIGHT SIMULATOR /VFS-2/ - VOL I, TECHNICAL RESULTS, MULTICHANNEL TELEVISION DISPLAY
SS-1211 N63-15804 13-10

MICROELECTRONICS - THIN FILM CIRCUITS AND PHASE-SHIFT OSCILLATOR N63-17365 15-06

DETECTION OF OXYGEN BY GAS-PHASE POLAROGRAPHY AT LOW TEMPERATURES AND PRESSURES
NASA-CR-50605 N63-18489 17-07

ANTENNA-MODELING TECHNIQUES FOR INTERFERENCE MEASUREMENTS - SCALE MODEL TESTING METHOD
RADC-TDR-62-281 N63-20015 19-08

MULTISENSOR SEISMIC ARRAY TECHNIQUE
AFCRL-63-894 N63-22802 23-12

MELPAR, INC., WATERTOWN, MASS.

RECOGNITION THEORY APPLIED TO MISSILE IDENTIFICATION AND DECOY DISCRIMINATION N63-20404 20-08

LOW ENERGY ELECTRON GUN OF HIGH CURRENT INTENSITY
AFCRL-63-698 N63-21654 22-23

MEMORIAL HOSPITAL, NEW YORK, N.Y.

EFFECTS OF ACUTE RADIATION EXPOSURE IN HUMANS N63-15130 11-16

MERCK SHARP AND DOHME RESEARCH LABS., RAHWAY, N.J.

STRUCTURAL ANALYSIS OF COPPER-ANTIMONY-SELENIUM THERMOELECTRICAL MATERIALS N63-16838 14-18

MESSERSCHMITT A.G., AUGSBURG /W. GERMANY/.

PRESSURE DISTRIBUTION MEASUREMENTS ON ENGINE COMPRESSOR INLETS - SINGLE, TRAVELING, & MULTIPLE PROBES N63-20808 21-15

METALS AND CONTROLS, INC., ATTLEBORO, MASS.

OXIDATION RESISTANT COATINGS FOR NIOBIUM AND MOLYBDENUM ALLOYS N63-22124 22-18

METCUT RESEARCH ASSOCIATES, INC., CINCINNATI, OHIO.

MACHINING OF REFRACTORY METALS - TUNGSTEN, TANTALUM-TUNGSTEN, MOLYBDENUM-TITANIUM ALLOYS AND STEEL
ASD-TR-7-532A/V/ N63-14882 11-18

MACHINING OF REFRACTORY MATERIAL - TUNGSTEN, MOLYBDENUM, NIOBIUM, PYROCERAM AND ALLOYS
ASD-TR-7-532A/VI/ N63-14883 11-18

MACHINING OF REFRACTORY MATERIAL, TUNGSTEN, NIOBIUM AND ALLOYS, RESIN, ZIRCONIUM OXIDE AND ZIRCONIUM AND ALUMINUM OXIDE COATINGS
ASD-TR-7-532A/VII/ N63-14884 11-18

MACHINING OF REFACTORY MATERIALS - EVALUATION OF TORNETIC DRILL PRESS
ASD-TR-7-532A/VIII/ N63-14885 11-18

MACHINING OF REFRACTORY MATERIALS, HIGH TEMPERATURE ALLOYS, HIGH STRENGTH STEEL, AND TITANIUM AND MOLYBDENUM SHEETS
ASD-TR-7-532A/1X/ N63-14886 11-18

METEOROLOGICAL OFFICE /GT. BRIT./

MONTHLY ENERGY BALANCE CALCULATIONS FOR OCEAN WEATHER STATIONS IN THE NORTH ATLANTIC
MO-712 N63-11852 04-21

OPERATIONAL NUMERICAL WEATHER PREDICTION - COMPUTER RESULTS
MO-728 N63-12630 06-21

STATISTICAL PROPERTIES OF TURBULENCE IN THE LOWER ATMOSPHERE N63-16816 14-11

TURBULENCE IN THE UPPER ATMOSPHERE - STRATOSPHERE AND UPPER TROPOSPHERE N63-16817 14-11

TURBULENCE AREAS FROM WIND TUNNEL AIR FLOW AROUND MODEL ROCK OF GIBRALTAR
MO-744 N63-21716 22-21

METEOROLOGICAL RESEARCH INST., TOKYO /JAPAN/.

ANALYSIS OF VARIOUS LARGE-SCALE DISTURBANCES AND ASSOCIATED ZONAL MEAN MOTION IN THE ATMOSPHERE N63-19571 19-21

METEOROLOGY RESEARCH, INC., ALTADENA, CALIF.

VERTICAL DIFFUSION FROM ELEVATED LINE SOURCE CLOUD - DOSAGE DETERMINATION - ATMOSPHERIC TURBULENCE EFFECTS
MR163-FR-71, PT. A N63-22416 23-21

AIRCRAFT WAKES FOR DISPERSAL OF SPRAYS
MR163-FR-71, PT. B N63-22417 23-21

METRONICS ASSOCIATES, INC., PALO ALTO, CALIF.

RELEASE OF AIRBORNE PARTICLES AT HIGH ALTITUDES & CONTROLLING WEATHER N63-22679 23-18

VALUE ESTIMATION OF VERTICAL EDDY DIFFUSIVITY DIRECTLY FROM VERTICAL VANE DATA N63-22680 23-23

MHD RESEARCH, INC., NEWPORT BEACH, CALIF.

CROSSED-FIELD PLASMA ACCELERATOR
ARS PAPER-2633-62 N63-11260 03-24

NONEQUILIBRIUM IONIZATION EFFECTS ON FLOW OF ARGON GAS THROUGH MAGNETIC FIELD N63-20442 20-24

TRANSIENT MOTION OF SPACE-CHARGE IN PULSE-IRRADIATED GAP
MHD-636 N63-20839 21-24

MAGNETOHYDRODYNAMIC GENERATION OF ELECTRIC POWER FROM EXPLOSIVES N63-22293 23-06

MIAMI U., CORAL GABLES, FLA.

RESULTS OF HUMAN PERFORMANCE IN A MONITORING TASK
AMRL-TDR-62-82 N63-10292 01-14

WEATHER RADAR RECEIVER SYSTEM - INSTRUMENTATION, RANGE CORRECTION, AND VIDEO DISPLAY N63-12758 06-21

CHRONIC EXPOSURE OF DOGS TO MICROWAVE RADIATION OF 24,000 MEGACYCLES AND POWER DENSITY OF 20 MW/CM2
RADC-TDR-62-604 N63-14849 11-16

MICHIGAN STATE U., EAST LANSING.

PROPAGATION OF ULTRASONIC WAVES IN LIQUIDS BY OPTICAL METHODS
AROD-2510-10 N63-13055 07-23

FIELD EMISSION CURRENT IN MAGNETIC FIELD APPLIED TO SEMIMETALS AND SEMICONDUCTORS

N63-15298 12-23

ANTIFERROMAGNETIC BEHAVIOR IN SINGLE CRYSTALS AT LOW TEMPERATURE N63-15851 13-25

THERMOCONDUCTIVITY OF DILUTE COPPER AND COPPER-TIN ALLOYS
AROD-1954-10 N63-16792 14-13

MICHIGAN U., ANN ARBOR.
CAVITATION SCALE AND THERMODYNAMIC EFFECTS IN STATIONARY AND ROTATING COMPONENTS WITH WATER AND MERCURY N63-10530 01-11

VOID FRACTION MEASUREMENTS IN CAVITATING VENTURI TUBE WITH LIQUID METAL FLOW N63-10643 02-15

SPRINGS OF WIDE TEMPERATURE RANGE
ASD-TR-61-566 N63-10743 02-18

EVALUATION OF MATRIX ELEMENTS IN CRYSTALLINE FIELD THEORY, TENSOR ALGEBRA, ELECTRON WAVE FUNCTION N63-10994 02-20

FALLING-SPHERE EXPERIMENT FOR UPPER-AIR-DENSITY - INSTRUMENTATION
AFCRL-62-662 N63-11030 03-15

INTEGRAL EQUATION OCCURRING IN PLASMA OSCILLATIONS N63-11431 03-20

IDENTITIES FOR HALF-SPACE PROBLEMS IN LINEAR TRANSPORT THEORY N63-11646 04-20

TWO-DIMENSIONAL FILTERING TECHNIQUE, OPTICS, INTERFEROMETERS, FILTERS, AND A READOUT SYSTEM N63-11864 04-23

THREE SOLUBLE PROBLEMS IN LINEAR TRANSPORT THEORY N63-11879 04-20

BOUNDARY VALUE PROBLEMS IN PLASMA OSCILLATIONS - ELECTROMAGNETIC RADIATION - COUPLING N63-11882 04-24

PITOT-STATIC TECHNIQUE FOR UPPER ATMOSPHERIC MEASUREMENTS
NS-1 N63-12144 05-12

RAINDROP-SIZE DISTRIBUTIONS AND VARIATION CAUSED BY FALLING DISTANCE - SPECTROMETRIC ANALYSIS
AFCRL-62-1091 N63-12289 05-21

ATMOSPHERE MEASUREMENTS BY MEANS OF SOUNDING ROCKET AND SATELLITES
AFCRL-62-1021 N63-12290 05-12

IONOSPHERE DATA OBTAINED WITH DUMBELL ELECTRO-STATIC PROBE
JS-3 N63-12379 06-12

SEEDED PLASMA - CHEMICAL AND IONIZATION PROCESSES, PLASMA PROPERTIES USING MICROWAVE TECHNIQUES N63-12693 06-24

UTILIZATION OF NONPRECISE TUNING COMPONENTS IN TECHNIQUES FOR PRECISE FREQUENCY SYNTHESIS N63-12694 06-09

BIOMECHANICAL STUDIES ON BONES OF THE FACE N63-12858 07-16

IMPACT DAMAGE TO INTERNAL ORGANS - AUTOMOBILE AND AIRCRAFT ACCIDENTS N63-12862 07-16

ANALYTIC SOLUTION FOR ATMOSPHERIC DENSITY FROM SATELLITE OBSERVATIONS OF STELLAR REFRACTION N63-13091 07-12

MICROWAVE INTERACTIONS AT CRYSTAL DEFECT CENTERS - ELECTRON SPIN RESONANCE, LASER, SOLID STATE PHYSICS, INTERMETALLICS, DETECTORS N63-13121 07-23

PROPERTIES OF RUBIES AND OTHER SAPPHIRES N63-13122 07-25

X-RAY PRODUCED VANADIUM IONS FROM VANADYL IONS IN SINGLE CRYSTALS OF ZINC AMMONIUM SULFATE N63-13123 07-22

MANGANESE ELECTRON SPIN RESONANCE IN PERIODIC GROUP II-A/VI-B COMPOUNDS N63-13124 07-22

SOLID STATE INSTRUMENTATION - CHARGED PARTICLES, SEMICONDUCTOR, DETECTORS N63-13125 07-1

ATMOSPHERIC SOUNDING BY SATELLITE MEASUREMENTS OF STELLAR REFRACTION N63-13280 07-22

SOLID STATE IONIZATION P-N JUNCTION DETECTORS N63-13468 08-22

DEVELOPMENTS IN INDUCTIVE ENERGY STORAGE APPARATUS AND INITIAL HIGH CURRENT HIGH DENSITY ARC ANALYSIS AND EXPERIMENTATION
AEDC-TDR-63-60 N63-13999 09-22

LARGE SIGNAL TRAVELING WAVE TUBES & AMPLIFIERS, DEPRESSED POTENTIAL COLLECTORS, ELECTRON BEAM GUNS KLYSTRONS, LOW NOISE CRESTATRONS & MAGNETRONS
RADC-TDR-63-8 N63-14001 09-20

DISSOCIATION OF OXYGEN MEASURED BY ROCKETBORNE MASS SPECTROMETER N63-14046 09-12

OPTIMUM CHARACTERISTICS OF SOME MOTION-COMPENSATION SYSTEMS - VOL. I, THEORY AND APPLICATION OF DOPPLER-INERTIAL SYSTEMS N63-14375 10-08

LONG-TIME CREEP EFFECT ON MECHANICAL PROPERTIES OF STRUCTURAL SHEET MATERIALS UNDER STRESS N63-14548 10-33

LONG-TIME CREEP EFFECT ON MECHANICAL PROPERTIES OF STRUCTURAL SHEET MATERIALS N63-14549 10-33

ANALYSIS OF FILTERING SYSTEM CONSISTING OF SIGNAL AND FILTERS N63-14550 10-09

DESIGN, CONSTRUCTION, AND TEST OF HIGH POWER ULTRAHIGH FREQUENCY CRESTATRON - FORWARD WAVE AMPLIFIER
RADC-TDR-62-446 N63-14604 10-15

LONG RANGE NAVIGATION - VERY LOW FREQUENCY RADIO SYSTEMS, SATELLITE NAVIGATION SYSTEMS, MAGNETIC COMPASSES, INERTIAL NAVIGATION AND GYROSCOPES N63-14803 11-22

LONG RANGE NAVIGATION SYSTEMS - VERY LOW FREQUENCY RADIO, INERTIAL, AND SATELLITE NAVIGATION SYSTEMS N63-14804 11-22

WORD FREQUENCY EFFECT - WORD IDENTIFICATION UNDER HIGH NOISE CONDITIONS - BROWN AND RUBENSTEIN RESPONSE BIAS MODEL N63-14808 11-20

POTASSIUM & MERCURY BOILING FOR HIGH TEMPERATURE HEAT TRANSFER -LIQUID METAL COOLED REACTORS N63-15008 11-13

NONLINEAR MODELING OF SCALE MODEL PHYSICAL SYSTEMS USING PARTIAL DIFFERENTIAL EQUATIONS - SIMILITUDE RESTRICTIONS
AFCRL-62-573 N63-15040 11-20

EFFICIENCY IMPROVEMENT THROUGH PHASE FOCUSING AND COLLECTOR DEPRESSION IN TRAVELING WAVE AMPLIFIERS, KLYSTRONS, BACKWARD WAVE OSCILLATORS
RADC-TDR-62-470 N63-15097 11-09

ELECTROMAGNETIC PARAMETERS OF METEORITES, TEKTITES, GLASSES, AND ROCKS N63-15803 13-05

STRAIN DISTRIBUTION ON NOTCHED SPECIMENS AT CREEP TEMPERATURE DURING LOADING
ASD-TDR-62-710 N63-15838 13-18

PERFORMANCE COEFFICIENTS FOR POWERED WHEELS IN SAND - SOIL VEHICLE ANALYSIS N63-15919 13-10

POSITIONING VORTAC ANTENNA SYSTEM AT SEA FOR NAVIGATION AND GUIDANCE N63-15958 13-21

EFFECT OF CHEMISORBED OXYGEN ON PHOTOCONDUCTIVE PROCESS IN RUTILE N63-16172 13-25

DEVELOPMENT OF FAST SOLID STATE ULTRAVIOLET PHOTODETECTOR
ASD-TDR-62-978 N63-16404 14-23

ULTRAVIOLET PHOTOVOLTAIC CONVERSION IN TITANIUM OXIDE N63-16489 14-25

SUPERALLOYS FOR SUPERSONIC TRANSPORTS - INFLUENCE OF NOTCH ACUITY ON NOTCH STRENGTH OF RENE 41, WASPALOY, AND D979 ALLOY
NASA-CR-50178 N63-16562 14-33

HIGH ALTITUDE SOUNDING ROCKETS FOR UPPER AIR TEMPERATURE AND DENSITY MEASUREMENTS N63-17159 15-04

SINGULAR GAUSSIAN MEASURES IN SIGNAL DETECTION THEORY N63-17162 15-08

LIQUID METAL BOILING HEAT TRANSFER N63-17192 15-13

HUMAN ESTIMATION OF MEAN OF SEQUENTIALLY DISPLAYED DISTRIBUTION - TIME DEPENDENT PROBABILITY N63-17394 15-14

ENERGY ADDITION TO SUBSONIC AND SUPERSONIC GAS FLOWS BY HIGH FREQUENCY, SHORT DURATION ELECTRIC DISCHARGES
ARL-63-54 N63-17395 15-24

CAVITATION PITTING CHARACTERISTICS FROM CAVITATING VENTURI TEST
NASA-CR-50241 N63-17485 16-20

EFFECT OF DELAY TIME AND NUMBER OF DELAYS ON SPECTRA OF RIPPLE-FIRED BLASTS IN QUARRY BLASTING
AFCRL-63-296 N63-17633 16-12

EXISTENCE AND UNIQUENESS THEOREMS FOR NEUTRON TRANSPORT EQUATION N63-17675 16-24

ORDER STRUCTURE MATRIX, POSITIVE LINEAR OPERATORS AND SPECTRAL THEORY
AROD-2800-11 N63-18017 16-20

DOPPLER SYSTEMS WITH LINEAR TIME FUNCTIONS - VELOCITY MEASUREMENT - NAVIGATION N63-18109 16-22

RADAR DIFFRACTION AND SCATTERING CROSS SECTIONS OF CONES
AFCRL-63-29 N63-18269 17-08

MATHEMATICAL AND EXPERIMENTAL MODEL FOR ROTATING DETONATION WAVE ROCKET ENGINE N63-18346 17-27

NEUTRAL ATMOSPHERIC COMPOSITION STUDY WITH MASS SPECTROMETER ON NIKE-CAJUN AND NIKE-APACHE ROCKETS
NASA-CR-50465 N63-18497 17-15

EFFECTS OF BURNING AND ACCELERATION ON DRAG COEFFICIENTS OF PARTICLES SUSPENDED IN AND ACCELERATING IN GAS STREAMS N63-18539 17-26

STANDING DETONATION WAVES - HYDROGEN-OXYGEN IGNITION DELAY - VIBRATIONAL RELATION EFFECTS - TWO-DIMENSIONAL EFFECTS IN GASEOUS DETONATIONS N63-18550 17-11

MATHEMATICAL MODEL AND TESTS OF ROTATION DETONATION WAVE ROCKET ENGINE USING HYDROGEN AND OXYGEN AS PROPELLANTS N63-18807 17-27

OPTICAL INSTRUMENT CALIBRATION FOR ELECTROMAGNETIC RADIATION MEASUREMENTS - INFRARED, ULTRAVIOLET, AND VISIBLE SPECTRA - DEFENDER PROJECT
BAMIRAC-4613-20-R N63-18988 18-15

PROCESS OF STOCHASTIC DELAY - EFFECT ON POWER SPECTRA - CORRELATION FUNCTIONS OF RADAR AND SONAR SYSTEMS N63-19107 18-08

SIGNAL DETECTION BY COMPLEX SPATIAL FILTERING N63-19114 18-23

NORMAL AND FACTOR MONOIDS OF COMMUTATIVE MACHINES
AROD-4049-11 N63-19146 18-08

FREQUENCY, ENERGY SPECTRA, AMPLITUDE, AND ATTENUATION OF SEISMIC SIGNALS
AFCRL-63-672 N63-19232 18-12

HUMAN OPERATOR PROBLEMS USING COMPLEX VISUAL DISPLAYS FOR COMBAT SURVEILLANCE - VISUAL PERCEPTION N63-19254 18-01

SENSOR OUTPUT DISPLAY DESIGN - MILITARY TECHNOLOGY - VISUAL PERCEPTION PROBLEMS N63-19255 18-15

VERY HIGH FREQUENCY RADAR ABSORBERS AND ANECHOIC ROOMS
NASA-CR-50753 N63-19855 19-10

MULTIVARIATE WIDE-SENSE MARKOV PROCESSES AND PREDICTION THEORY N63-19978 19-20

INTEGRAL EQUATIONS FOR BOUNDARY LAYER EFFECT UPON FLOW IN CONICAL HYPERSONIC NOZZLE N63-20014 19-02

RADIATION FIELD PRODUCED BY INFINITE SLOT IN INFINITE CYLINDER SURROUNDED BY HOMOGENEOUS PLASMA SHEATH N63-20293 20-24

ABSORPTION AND EMISSION SPECTRUM OF CALCIUM FLUORIDE-TRIVALENT URANIUM LASER MATERIAL N63-20472 20-23

ANALYSIS OF LARGE SIGNAL TRAVELING-WAVE TUBES - PHASE SHIFT DATA FOR ELECTRON GUN & CRESTATRON
RADC-TDR-63-284 N63-20827 21-23

THERMAL STRUCTURE AND WATER VAPOR CONCENTRATION IN EARTH ATMOSPHERE FROM MEASUREMENT OF OUTGOING INFRARED RADIATION INTENSITY N63-21110 21-12

CRESTATRON TRAVELING WAVE AMPLIFIER TUBE - LARGE SIGNAL DEVICE WITH SOLID AND HOLLOW-BEAM ELECTRON GUNS
RADC-TDR-63-108 N63-21116 21-09

THEORY OF ROTATING DETONATION WAVE ROCKET MOTOR N63-21156 21-27

ROTATING DETONATION WAVE ROCKET ENGINE N63-21191 21-27

STABILITY OF SINGLE HUMP VELOCITY DISTRIBUTIONS IN COLLISIONLESS HOT PLASMA WITHOUT MAGNETIC FIELD EXPRESSED AS INTEGRAL EQUATION N63-21356 22-24

PROBABILITY CHARACTERISTICS OF SENSOR OUTPUTS TO REDUCE REDUNDANT INFORMATION TRANSMISSION N63-21405 22-20

MAGNETOHYDRODYNAMIC EQUATION FOR NONEQUILIBRIUM PLASMA FLOW N63-21558 22-24

RAREFIED GAS DYNAMICS - WAKE OF CONDUCTING PROLATE SPHEROID IN MAGNET-FREE RAREFIED PLASMA N63-21589 22-24

PHOTOCONDUCTIVITY AND NOISE IN SINGLE CRYSTAL TELLURIUM N63-22074 22-09

NONLINEAR SYSTEMS WITH DYNAMIC BEHAVIOR REPRESENTED BY NONLINEAR DIFFERENTIAL EQUATION N63-22075 22-06

MICROWAVE AND QUANTUM ELECTRONIC CIRCUITS AND THEORY N63-22275 23-09

PRINCIPLES OF INDUCTIVE ENERGY STORAGE N63-22281 23-06

SWITCHING INDUCTIVE-ENERGY-STORAGE APPARATUS N63-22295 23-06

ARC HEATED HYPERSONIC WIND TUNNEL N63-22330 23-01

ARC INITIATING FUSE-SWITCH CIRCUIT FOR HYPERSONIC WIND TUNNEL N63-22331 23-09

ARC CHAMBER PRESSURE VESSEL DESIGN FOR HYPERSONIC

WIND TUNNEL N63-22332 23-10

HEAT TRANSFER TO ARC CHAMBER LINERS BY CONDUCTION AND RADIATION IN HYPERSONIC WIND TUNNEL N63-22333 23-13

SCHLIEREN SYSTEM FOR FLOW VISUALIZATION IN HYPERSONIC WIND TUNNEL N63-22334 23-02

SPARK VELOCITY MEASUREMENTS IN HYPERSONIC WIND TUNNEL N63-22335 23-11

GASEOUS DISCHARGE CHARACTERISTICS IN HYPERSONIC WIND TUNNEL FLOW - GLOW AND TOWNSEND DISCHARGE N63-22336 23-11

DOUBLE-SIDEBAND REACTIVE MIXING - SIGNAL TRANSMISSION & INTERACTION AT THREE OSCILLATING FREQUENCIES
TR-134 N63-22370 23-09

DETONATION IN ROTATING DETONATION WAVE ROCKET ENGINE - QUENCHING, CONTINUOUS BURNING, AND MASS FLOW N63-22401 23-27

AUTOMATIC DIFFERENTIAL THERMAL ANALYSIS SYSTEM WITH UNIFORM HEATING RATE N63-22421 23-13

MICROWAVE SCATTERING FROM CYLINDRICAL NITROGEN PLASMA, SEEDED WITH SODIUM, POTASSIUM, & CESIUM
ARL-63-159 N63-22500 23-24

FAR INFRARED SPECTRUM OF TORSIONAL OSCILLATION OF HYDROGEN PEROXIDE
AFCRL-63-890 N63-22987 23-23

MEASUREMENTS OF NEAR AND REGIONAL EARTHQUAKES OUTSIDE THE CONTINENTAL UNITED STATES
AFCRL-63-850 N63-23087 24-12

HEAT TRANSFER IN BOILING LIQUID METAL - NUCLEATE REGIME, CRITICAL HEAT FLUX, & BURNOUT FLUX VERSUS PRESSURE N63-23360 24-13

ALKALI METAL SEEDING OF CYLINDRICAL PLASMA FOR HIGH LEVEL ELECTRIC CONDUCTIVITY N63-23481 24-24

CALCULATION OF DRAG FORCE ON CHARGED TEST PARTICLE PASSING THROUGH ELECTRON PLASMA N63-23513 24-24

AERODYNAMIC STRUCTURE OF ROCKET EXHAUST PLUME AT VARIOUS ALTITUDES WITHOUT REACTION - DEFENDER PROJECT N63-23788 24-02

MICRO STATE ELECTRONICS CORP., MURRAY HILL, N.J.
LOW NOISE TUNNEL DIODE MIXERS AND CONVERTERS
RADC-TDR-63-325 N63-22121 22-09

MICROWAVE ASSOCIATES, INC., BURLINGTON, MASS.
APPLICATION OF SEMICONDUCTOR DEVICE TO HIGH POWER DUPLEXERS
RADC-TDR-63-88 N63-15336 12-25

NANOSECOND PULSE IN AIR - LENGTH, GENERATION, AND BREAKDOWN
RADC-TDR-63-82 N63-15714 12-25

SEMICONDUCTOR DEVICES FOR HIGH POWER DUPLEXERS
RADC-TDR-63-225 N63-18674 17-09

HIGH POWER L-BAND RADIO FREQUENCY SWITCH DESIGN - DIODE DEVELOPMENT
RADC-TDR-63-265 N63-18785 18-09

DESIGN OF GAS MICROWAVE DUPLEXER - SWITCHING EFFICIENCY
RADC-TDR-63-210 N63-20967 21-24

MEASURING DISCHARGE ARC LOSS IN MAGNETIC FIELD
RADC-TDR-63-336 N63-21556 22-24

SEMICONDUCTOR DEVICES APPLIED TO HIGH POWER DUPLEXERS
RADC-TDR-63-316 N63-21791 22-06

BEAM-PLASMA AMPLIFIER IN MILLIMETER WAVELENGTH
RADC-TDR-63-368 N63-22448 23-24

HIGH POWER BEAM-PLASMA AMPLIFIER - SMALL SIGNAL & PRELIMINARY LARGE SIGNAL THEORIES N63-23408 24-24

HIGH POWER BEAM PLASMA AMPLIFIER - TESTING AND LARGE SIGNAL ANALYSIS N63-23409 24-24

MIDWEST RESEARCH INST., KANSAS CITY, MO.
SYNTHESIS OF ELASTOMERS CONTAINING SILICON-NITROGEN BONDS - SCREENING OF MONOMERS FOR POLYMERIZATION N63-12052 05-07

METALLIC CRYSTAL LATTICE IMPERFECTIONS RELATED TO FATIGUE AND FRACTURE OF THIN ALUMINUM FILMS N63-12237 05-33

SUPERSONIC FLUTTER OF WING-BODY CONFIGURATIONS N63-13018 07-33

RESIDUAL STRESS AND ULTRASONIC METHODS OF NONDESTRUCTIVE MEASUREMENT
WADD-TR-61-42, PT. 2 N63-13936 09-33

JACOBI POLYNOMIAL EXPANSION OF GENERALIZED HYPERGEOMETRIC FUNCTIONS OVER SEMI-INFINITE RAY N63-14261 10-20

ALUMINUM FATIGUE TEST, SUBGRAIN FORMATION, CRACK PROPAGATION IN METALS AND ALLOYS N63-14797 11-33

ELASTOMER SYNTHESIS CONTAINING SILICON AND NITROGEN N63-14875 11-07

APPROXIMATE SOLUTION OF INTEGRAL EQUATIONS OF CONVOLUTION TYPE
ARL-63-33 N63-15824 13-20

RATIONAL APPROXIMATIONS FOR INCOMPLETE GAMMA FUNCTION - ERROR ANALYSIS N63-16318 13-20

ECONOMIZATION OF INTEGRALS OF TRANSCENDENTAL HYPERGEOMETRIC FUNCTIONS - ERROR ANALYSIS N63-16326 13-20

EXPANSIONS OF SPHEROIDAL WAVE FUNCTIONS N63-16390 14-20

ULTRASONIC TECHNIQUES FOR NONDESTRUCTIVE MEASUREMENT OF RESIDUAL STRESS
WADD-TR-61-42, PT. III N63-16740 14-33

HIGH TEMPERATURE SHEAR STABILITY OF POTENTIAL HYDRAULIC FLUIDS N63-17836 16-17

LIQUID METAL CONDENSATION - HEAT TRANSFER AND FILM CONDUCTANCE N63-17861 16-13

FRICTION & WEAR CHARACTERISTICS OF CERAMIC-BONDED SOLID LUBRICANT FILM N63-17868 16-17

VISCOSITY AND DENSITY OF FLUIDS AT HIGH PRESSURE N63-17870 16-17

MECHANISMS OF FATIGUE IN THIN FILMS OF ALUMINUM ALLOYS - PROPAGATION OF FATIGUE CRACKING IN PURE ALUMINUM N63-18142 16-33

INDUSTRIAL USAGE OF NASA-GENERATED SPACE TECHNOLOGY
NASA-CR-50630 N63-18314 17-01

UTILIZATION OF NASA SPACE TECHNOLOGY BY MIDWESTERN INDUSTRY
NASA-CR-50648 N63-18316 17-01

INFLUENCE OF SURFACE COATING ON EXO-ELECTRON EMISSION DURING METAL FATIGUE
NASA-CR-50477 N63-18398 17-18

UTILIZATION OF SPACE TECHNOLOGY FROM NASA PROGRAMS IN MIDWESTERN INDUSTRY
NASA-CR-50649 N63-18857 18-01

FATIGUE MECHANISMS IN SINGLE CRYSTAL AND POLYCRYSTALLINE ALUMINUM - ELECTRON MICROSCOPY N63-19012 18-18

SYNTHESIS OF ELASTOMERS CONTAINING SILICON-

NITROGEN BONDS IN MAIN CHAIN N63-19117 18-07

ACCURACY OF SONIC THERMOMETERS FOR ATMOSPHERIC TEMPERATURE MEASUREMENT
AFCRL-63-687 N63-19403 19-15

FURTHER RATIONAL APPROXIMATIONS FOR INCOMPLETE GAMMA FUNCTION, BASED ON ONE OF ITS ASCENDING SERIES REPRESENTATIONS N63-20309 20-23

RUNWAY, TAXIWAY, AND PARKING RAMP ROUGHNESS DATA - SURVEYS AT AIR FORCE BASES
WADD-TR-60-470, PT. 3 N63-20490 20-10

SPACE TECHNOLOGY TURNED INTO INDUSTRIAL PROFITS - NASA PROGRAM N63-21146 21-01

PHYSICAL BASIS OF MECHANICAL PROPERTIES OF CERAMICS
ASD-TDR-63-605, PT. I N63-21233 21-18

SYNTHESIS OF ELASTOMERS WITH SILICON-NITROGEN BONDING BY CROSS-LINKING N63-22519 23-07

MIDWESTERN UNIVERSITIES RESEARCH ASSN., MADISON, WIS.
EXCITATION OF A CIRCULAR CYLINDRICAL CAVITY BY A CIRCULAR WAVEGUIDE
MURA-644 N63-10070 01-23

COMPUTER PROGRAM FOR BEAM TRANSPORT
MURA-645 N63-10071 01-23

TRANSVERSE SPACE CHARGE EFFECTS IN PARTICLE ACCELERATORS
MURA-649 N63-10740 02-23

MILAN U. /ITALY/.
PERCEPTION OF MOTION, EQUILIBRIUM, AND ORIENTATION UNDER THE CONDITIONS OF WEIGHTLESSNESS N63-18940 18-16

THERMAL NEUTRON FLUX IN HEAVY GASEOUS MODERATORS
EUR-292.I N63-19283 18-23

NEUTRON RETARDATION THEORY - PHYSICAL AND MATHEMATICAL ASPECTS - BOLTZMANN EQUATION DEDUCTIONS
EUR-342.I N63-19284 18-23

GALERKIN METHOD FOR CALCULATION OF THERMAL FLUX IN HETEROGENEOUS MEDIA WHEN ESTIMATING DIFFUSION
EUR-358.I N63-22852 23-25

MINNEAPOLIS-HONEYWELL REGULATOR CO., HOPKINS, MINN.
GRAPHIC SOLUTION OF RELIABILITY LOGIC EQUATIONS N63-17284 15-20

MINNEAPOLIS-HONEYWELL REGULATOR CO., MINN.
MODES OF CONTROL FOR LINEAR AUTONOMOUS SYSTEM
NASA-TN-D-1589 N63-10182 01-09

MEASUREMENT OF THE STATE VECTOR
NASA-TN-D-1590 N63-10202 01-20

LIFE SUPPORT SYSTEMS EVALUATOR INSTRUMENTATION - SPACECRAFT SIMULATION
MH-AERO-2662-TR2 N63-10337 01-16

DIGITAL ADAPTIVE CONTROL SYSTEM FOR FLEXIBLE MISSILES N63-10393 01-20

UNIQUENESS OF TIME-OPTIMAL CONTROL FOR LINEAR PROCESSES N63-10413 01-20

SWITCHING CRITERION FOR TIME-OPTIMAL CONTROL N63-10414 01-20

LOGICAL NET MECHANIZATION FOR TIME-OPTIMAL REGULATION - MAPPING FUNCTION
NASA-TN-D-1678 N63-10952 02-20

APPLICATION OF TIME OPTIMAL CONTROL TO A FLEXIBLE LAUNCH VEHICLE - PITCH CONTROLLER
ARS PAPER-2694-62 N63-11276 03-31

FLOW VISUALIZATION AND PROPORTIONAL FLUID AMPLIFICATION N63-13391 08-11

CONTROLS FOR FUEL CELL BATTERIES N63-14138 09-06

OVERLOAD PROTECTION IN SOLID STATE POWER SUPPLY N63-14170 09-06

ADAPTIVE STATE VECTOR CONTROL - SECTION 7, APPROXIMATIONS TO STATE VECTOR CONTROL
MH-MPG-1529-TR-7 N63-14340 10-20

STABILIZATION AND CONTROL SYSTEM FOR MANNED LUNAR VEHICLE - ATTITUDE CONTROL N63-15533 12-32

THEORY OF OPTIMIZATION FOR CONTROL SYSTEMS OF LAUNCH VEHICLES - NEWTON-RAPHSON OPTIMIZATION METHOD N63-15632 12-09

OPTIMIZATION OF CONTROL SYSTEMS AND EQUIVALENT MINIMIZATION BY NEWTON-RAPHSON METHOD N63-15633 12-20

OPTIMAL CONTROL FOR SYSTEMS WITH NUMERATOR DYNAMICS N63-15643 12-20

TIME-OPTIMAL CONTROL THEORY APPLIED TO LAUNCH VEHICLE PITCH AND ATTITUDE CONTROL
NASA-TN-D-1895 N63-15775 13-30

TWO NEW SPECTRAL ANALYZER SYSTEMS FOR MEASURING VIBRATION DATA IN FREQUENCY DOMAIN N63-16095 13-15

INERTIAL GUIDANCE SYSTEMS - TEST METHODS N63-16861 14-22

ADAPTIVE STATE VECTOR CONTROL - THEORY OF TIME OPTIMAL CONTROL OF LINEAR SYSTEMS
MH-MPG-1529-TR4 N63-17228 15-20

RELIABILITY OF REDUNDANT ADAPTIVE FLIGHT CONTROL SYSTEMS FOR SPACE VEHICLES N63-17279 15-09

COMMAND AND CONTROL SYSTEM ANALYSIS
R-RD-1539-TR1 N63-17425 15-01

SYNTHESIS OF MINIMUM ENERGY CONTROLLER SUBJECT TO POWER CONSTRAINT - FEEDBACK CONTROL SYSTEMS, COMPUTATION OF TRANSCENDENTAL EQUATIONS N63-18912 18-09

EFFECT OF SURFACE FINISH ON STRENGTH OF POLYCRYSTALLINE MAGNESIUM OXIDE
AROD-2884-1 N63-19404 19-18

ALUMINUM EXPULSION DIAPHRAGM FOR SPHERICAL PROPELLANT TANKS
NASA-CR-50846 N63-19991 19-17

MECHANIZING RELAY CONTROLLERS USING BOOLEAN INPUTS TO CONTROL MAPPING LOGIC - ADAPTIVE STATE VECTOR CONTROL TIME-OPTIMAL REGULATION
NASA-CR-50274 N63-21069 21-20

ROLE OF SUBCONTRACTOR IN NASA PROGRAMS N63-21150 21-01

EFFECT OF MATERIALS ON ATMOSPHERIC CONTAMINATION IN MANNED SPACECRAFT - OUTGASSING AND FLAMMABILITY N63-23215 24-14

PARAVULCOON RECOVERY AND LANDING SYSTEM - PARACHUTE AND HOT GAS BALLOON FOR SPACECRAFT LANDING ON MARS AND VENUS N63-23324 24-03

APPLICATION OF TIME OPTIMAL CONTROL TO DESIGN OF PITCH-ATTITUDE CONTROLLER FOR A FLEXIBLE LAUNCH VEHICLE
NASA-CR-52287 N63-23802 24-06

MINNESOTA MINING AND MFG. CO., ST. PAUL, MINN.
FLUOROCARBON PLASTICS UNDER INFLUENCE OF UNUSUAL ENVIRONMENTAL CONDITIONS N63-10924 02-19

EFFECT OF GAMMA RADIATION ON STRUCTURAL ADHESIVE JOINTS N63-10926 02-19

CHEMICAL RESISTANT RUBBER SERVICEABLE AT HIGH AND

LOW TEMPERATURES N63-18229 17-07

CORRELATION OF IMPACT SENSITIVITIES BY HOT SPOT MODEL N63-18530 17-26

MINNESOTA U., MINNEAPOLIS.
HEAT TRANSFER CHARACTERISTICS OF RADIATOR FINNED-TUBE CONFIGURATIONS
NASA-TN-D-1435 N63-10173 01-13

DAMPING PROPERTIES OF NONMETALLIC MATERIALS - TABULATION AND BIBLIOGRAPHY
WADD-TR-60-540 N63-10649 02-19

SPIKE-BLUFF BODY FOR MONORAIL ROCKET SLED - WIND TUNNEL TESTS
RAL-RR-186 N63-10666 02-02

CONTINUOUS PROPAGATION OF MICROORGANISMS N63-11000 03-16

DYNAMIC PROPERTIES OF LANGMUIR PROBES IN GASEOUS PLASMA
ARL-62-417 N63-11009 03-24

LINEAR THEORY OF TWO-DIMENSIONAL FLOWS ABOUT THIN BODIES N63-11175 03-11

VAN ALLEN ZONE - OUTER-ZONE ELECTRONS
CR-51 N63-11303 03-28

CORRELATION OF VARIATIONS OF EXPLORER VI COUNT RATES WITH SIMULTANEOUS VISUAL AURORAS AND HIGH-ALTITUDE X-RAY BURSTS N63-11789 04-28

WIND TUNNEL MEASUREMENTS OF LIFT AND DRAG OF SLIPPER BEAMS MOUNTED ON SUPERSONIC ROCKET SLED
RAL-RR-190 N63-11861 04-02

TANDEM INTERFERENCE EFFECTS OF FLAT NONCAVITATING HYDROFOILS N63-11946 04-11

ABSORPTION OF THERMAL RADIATION IN V-GROOVE CAVITY N63-12154 05-23

TURBULENT BOUNDARY LAYER FLOW OVER FLAT PLATE VIBRATING WITH TRANSVERSE STANDING WAVES N63-12196 05-11

KINETIC THEORY OF NONSPHERICAL MOLECULES - SOLUTIONS FOR BOLTZMANN EQUATIONS AND TRANSPORT COEFFICIENTS FOR INELASTIC POLYATOMIC COLLISIONS
WIS-TCI-6, SER. 2 N63-12354 06-11

ZENER EFFECT IN ALLOYS - ATOM SIZE FACTOR IN STRESS-INDUCED ORDERING OF SOLUTE ATOMS, ANELASTIC STRAIN, AND RELAXATION STRENGTH N63-12733 06-18

HUMAN CRASH STUDIES, IMPACT STUDIES, ACCELERATION STRESS, AUTOMOBILE AND AIRCRAFT ACCIDENTS, SAFETY DEVICES N63-12874 07-16

ENERGY FLUX OF HEAVY NUCLEI IN JULY 10, 1959 SOLAR FLARE
CR-49 N63-12958 07-12

HYPERSONIC FLOW DURING REENTRY - GAS THERMODYNAMICS, REENTRY BODY SHAPES, BALLISTIC AND LIFTING REENTRY MOTION EQUATIONS N63-13284 07-11

BALLOON FLIGHT RECORDS, 1961 - ATMOSPHERIC CHARGED PARTICLE MONITORING N63-13959 09-12

PRIMARY ELECTRON SOURCES - THERMIONIC CATHODES AND KINETIC DEVICES SUCH AS THIN FILM INSULATORS AND SUPERCONDUCTORS
AFCRL-63-5 N63-14310 10-09

VAN ALLEN BELT IN AUGUST AND SEPTEMBER 1959 - PROPERTIES OF OUTER BELT MEASURED BY EXPLORER VI N63-15089 11-28

STUDY OF ENERGY RADIATION IN OUTER VAN ALLEN ZONE FROM EXPLORER VI SATELLITE DATA ACQUISITION DURING AUGUST AND SEPTEMBER 1959. N63-15091 11-28

HAZARD OF SOLAR AND GALACTIC COSMIC RADIATION N63-15117 11-28

SYMPOSIUM ON AEROSPACE RADIOBIOLOGY - ENERGY SPECTRA AND COMPOSITION OF SOLAR COSMIC RAYS, TIME VARIATIONS AND PROPAGATION FROM SUN TO EARTH N63-15286 12-28

SIMPLE CIRCUIT FOR PHOSWICH SCINTILLATION COUNTER N63-15287 12-15

GAMMA RAY MEASUREMENT AND LOW ENERGY GAMMA RAY SPECTRUM IN ATMOSPHERE PRODUCED BY COSMIC RAY
CR-62 N63-15290 12-28

LACK OF INFLUENCE OF CAPETOWN GRAVITY ANOMALY ON VAN ALLEN RADIATION BELT N63-15291 12-15

SOLAR COSMIC RAY EVENT OF SEPTEMBER 1960 - DELAY PROPAGATION OF RAY THROUGH INTERPLANETARY SPACE N63-15314 12-28

SOLAR PROTON ENERGY FROM SEPT. 3, 1960 FLARES AND ALPHA PARTICLE CONCENTRATION N63-15616 12-28

OPTIMAL CONTROL FOR SYSTEMS WITH NUMERATOR DYNAMICS N63-15643 12-20

STATISTICAL ANALYSIS OF A BAR IN TENSION
ASD-TDR-62-379 N63-15827 13-33

PRODUCTION OF FREE ELECTRONS IN IONOSPHERIC D-LAYER BY SOLAR AND GALACTIC COSMIC RAYS AND RESULTANT ABSORPTION OF RADIO WAVES
CR-61 N63-15944 13-28

SPACE SCIENCE - EVAPORATIVE FILM COOLING FOR HEAT TRANSMISSION OF HYPERSONIC REENTRY VEHICLES N63-15988 13-13

RARE GASES IN SUN, ATMOSPHERE, AND METEORITES N63-16224 13-29

VACUUM AND GAS DIODES - CHARGED PARTICLE MOTIONS IN GAS DIODE WHEN TUBE CURRENT IS SPACE CHARGE LIMITED - ELECTRON VELOCITY IN DISCHARGE REGION N63-16572 14-09

THERMOELASTIC DAMPING
ASD-TDR-62-1031 N63-16578 14-33

ENERGETIC ELECTRON PRECIPITATION FROM GEOMAGNETIC FIELD DURING MAGNETIC STORM
CR-52 N63-16689 14-12

STUDIES OF THERMIONIC CATHODES AND NONTHERMIONIC ELECTRON SOURCES - HOT ELECTRON EMISSION SUPERCONDUCTORS
AFCRL-63-59 N63-16866 14-09

ALKALINE-EARTH METAL OXIDES AS THERMIONIC CATHODES - PRIMARY ELECTRON SOURCE - ELECTRON TUBE DEVELOPMENT
AFCRL-63-84 N63-16867 14-09

PRIMARY ELECTRON SOURCES - PHOTOELECTRIC AND THERMIONIC EMISSION, ENERGY DISTRIBUTION AND TUNNEL DIODE CURRENT
AFCRL-63-129 N63-16932 14-09

EVAPORATIVE FILM COOLING OF BLUNT BODIES IN HIGH TEMPERATURE AIRSTREAMS
RAL-RR-189 N63-16957 14-13

ACOUSTIC STUDY OF GASEOUS MICRO-BUBBLES IN BOUNDARY LAYER AND PROPELLER WAKES N63-16969 14-11

DAMPING OF STRUCTURAL MATERIALS UNDER BIAXIAL STRESS
ASD-TDR-62-1030 N63-17181 15-33

VAN ALLEN BELT - INNER BELT RADIATION DATA FROM ION CHAMBER AND GEIGER COUNTER ABOARD EXPLORER VI SATELLITE N63-17190 15-12

CUTOFF RIGIDITY MEASUREMENT - SOLAR PROTONS AND ALPHA PARTICLES FROM JULY 10, 1959 SOLAR FLARE
CR-48 N63-17330 15-28

ELECTRONIC ENERGY TRANSFER IN ORGANIC LIQUIDS WITH ULTRAVIOLET AND GAMMA EXCITATION
AFCRL-63-610 N63-17615 16-07

CHARGED-PARTICLE RECOMBINATION
N63-17662 16-11

GEOMAGNETIC FIELD - ROCKET MEASUREMENTS IN AURORAL ZONE - X-RAY BURSTS AND ELECTRON FLUX
NASA-CR-50116 N63-18050 16-12

TIME VARIATION OF SOLAR COSMIC RAYS MEASURED BY HIGH ALTITUDE BALLOON FLIGHTS DURING SEPTEMBER 3, 1960 SOLAR FLARE EVENT
CR-65 N63-18985 18-29

RADIANT-ENERGY EMISSION OF DIFFUSE CONICAL CAVITIES N63-20794 21-23

THEORETICAL PARACHUTE INVESTIGATIONS - AERODYNAMIC CHARACTERISTICS N63-20818 21-03

MAGNETIC RESONANCE IN STRONGLY COUPLED DIPOLE SYSTEM - YTTRIUM-IRON GARNET N63-21833 22-23

CYCLIC MATERIAL DAMPING IN THIN WALLED CYLINDRICAL SPECIMENS OF MANGANESE-COPPER ALLOYS SUBJECTED TO AXIAL & INTERNAL PRESSURE LOADING
ASD-TDR-63-647 N63-22593 23-33

PIPE FRICTION REDUCTION WITH NON-NEWTONIAN POLYMER ADDITIVES N63-22620 23-07

LUNG CAPACITY MEASUREMENTS - CALIBRATION OF IMPEDANCE PNEUMOGRAPH
SAM-TDR-63-41 N63-22666 23-16

VELOCITY AND PRESSURE DISTRIBUTION IN WAKE OF BODY OF REVOLUTION AT TRANSONIC AND SUPERSONIC SPEED
N63-23321 24-02

WATER SURFACE WAVE ANALOGY APPLICATION TO AERODYNAMIC DECELERATION N63-23323 24-02

ANODE HEAT TRANSFER FROM ELECTRIC ARC WITH PLASMA JET CHARACTERISTICS N63-23474 24-24

MISSISSIPPI STATE U., STATE COLLEGE.
BIOCHEMICAL PROBE OF MIXED CULTURE PROTOTYPE IN CLOSED ECOLOGICAL SYSTEM N63-15041 11-16

NONDESTRUCTIVE TESTING OF BRITTLE FRACTURE BEHAVIOR OF CERAMICS - MAXIMUM STRESS CALCULATION OF GLASS FIBERS, CAPACITANCE OF POLYCRYSTALLINES
ASD-TR-61-436, PT. 1 N63-15065 11-18

NONDESTRUCTIVE ANALYSIS OF BRITTLE FRACTURE OF CERAMIC MATERIAL
ASD-TR-61-436, PT. II N63-15545 12-18

VELOCITY DISTRIBUTION IN TURBULENT BOUNDARY LAYER FLOW AROUND FLAT PLATE N63-18735 17-11

TURBULENT FLOW VELOCITY PROFILE OF FLUID DISCHARGE FROM AN AXISYMMETRIC JET N63-19209 18-11

STRUCTURE OF FREE AND CONFINED TURBULENT VORTICES
N63-19210 18-11

LIFE SUPPORT SYSTEMS IN OUTER SPACE - UTILIZATION OF HUMAN URINE AND ALGAE DURING SPACE EXPLORATION
NASA-CR-50860 N63-20248 20-16

COMPARISON OF METHODS FOR EVALUATING SKIN FRICTION OF TURBULENT BOUNDARY LAYER WITH TRANSPIRATION - FLUID DYNAMICS
TRECOM-TR-63-35 N63-22375 23-11

PROFILE DRAGS OF AIRFOILS DETERMINED BY USING PITOT-STATIC SYSTEM - FLUID DYNAMICS
TRECOM-TR-63-34 N63-22914 23-03

MITRE CORP., BEDFORD, MASS.
TV SCAN LINE AND SCAN PATTERN IN SYMBOL CONSTRUCTION
ESD-TDR-63-440 N63-22531 23-09

MITRON RESEARCH AND DEVELOPMENT CORP., WALTHAM, MASS.
SIMULATING THE DAMAGING EFFECTS OF SHOCK AND VIBRATION ENVIRONMENTS N63-16751 14-33

MITSUBISHI ELECTRIC MFG. CO., LTD. AMAGASAKI /JAPAN/
POWER SYSTEMS - MICROWAVE CIRCUITS, FERRITE PHASE SHIFTER, SHOCK TUBES, ELECTROLUMINESCENCE AND METHYLISOCYANATES N63-14104 09-01

TRANSIENT VOLTAGE AND CURRENT CALCULATIONS IN POWER SYSTEMS - PART II, AN APPROXIMATE CALCULATION N63-14105 09-23

INFINITELY VARIABLE FERRITE PHASE SHIFTERS USED IN HIGH SPEED CONTINUOUS BEAM SCANNING AND IN MICROWAVE POWER RECEPTION FROM SEVERAL ANTENNAS
N63-14106 09-08

BROAD-BAND MATCHING OF MICROWAVE CIRCUIT RESULTING FROM INCREASED INFORMATION HANDLING CAPACITY OF MICROWAVE SUPER-MULTICHANNEL RELAY LINK
N63-14107 09-08

INTERCOM 1000 COMPUTER AND ITS FREQUENCY OF COMMAND N63-14108 09-20

UNIVERSAL SHOCK TUBE FOR APPLICATIONS IN CHEMICAL, MAGNETOHYDRODYNAMIC AND HYPERSONIC SHOCK EXPERIMENTATION N63-14109 09-11

NEUTRON AND GAMMA RAY DISCRIMINATION IN ORGANIC SCINTILLATORS AND PHOTOMULTIPLIERS USING THE SPACE CHARGE EFFECT N63-14110 09-15

ELECTROLUMINESCENCE OF CADMIUM SULFIDE SINGLE CRYSTALS - ELECTRIC CONDUCTION, EMISSION AND EXCITATION MECHANISMS N63-14111 09-23

METHYLISOCYANATOSILANES AND THEIR INFRARED ABSORPTION SPECTRA N63-14112 09-07

MOLECULON RESEARCH CORP., CAMBRIDGE, MASS.
SYNTHESIS, PURIFICATION, AND CHARACTERIZATION OF BENZIMIDAZOLE DERIVATIVES
AFCRL-63-444 N63-16738 14-07

MONSANTO CHEMICAL CO., EVERETT, MASS.
DERIVATIVES OF FERROCENE - PART 1, METALLATION
N63-13241 07-07

DERIVATIVES OF FERROCENE - PART 2, REDUCTION PRODUCTS OF BENZOYLFERROCENE AND 1,1-DIBENZOYL-FERROCENE N63-13242 07-07

DERIVATIVES OF FERROCENE - PART 3, ACYLFERROCENES AND ALKYLFERROCENES N63-13243 07-07

MONSANTO RESEARCH CORP., DAYTON, OHIO.
FLAME EXTINGUISHMENT - CHEMICAL AND PHYSICAL AGENTS
ASD-TR-408, SUPPL. 1 N63-12157 05-26

MECHANISM AND CHEMICAL INHIBITION OF HYDRAZINE-NITROGEN TETROXIDE REACTION
ASD-TDR-62-1041 N63-12170 05-26

CHEMICAL INHIBITION OF HYDROGEN-OXYGEN REACTION
ASD-TDR-62-1042 N63-12171 05-26

DATA REDUCTION AND CORRELATION OF COMBUSTION RATES OF CHEMICAL COMPOUNDS USING DIGITAL COMPUTER
ASD-TDR-63-182 N63-16360 14-20

ORGANIC CHEMISTRY - PARTIAL AND PERFLUORINATED POLYAROMATIC ETHERS - SYNTHESIS, THERMAL STABILITY AND PHYSICAL PROPERTIES - USE AS HYDRAULIC FLUIDS
N63-17837 16-07

OXIDATION OF POLYPHENYL ETHERS AND INTERMEDIATES - REACTIONS OF TRITIUM-LABELED POLYPHENYL ETHERS
N63-18353 17-07

MONSANTO RESEARCH CORP., EVERETT, MASS.
SOLID PROPELLANT OXIDIZER SYNTHESIS, FLUORINE COMPOUNDS
MRB-2022Q1 N63-10993 02-26

SYNTHESIS OF NEW OXIDIZERS FOR SOLID PROPELLANTS - PREPARATION AND PURIFICATION IN LIQUID OXYGEN FLUORIDE
MRB-2022Q2 N63-14221 09-26

COMPACT POWER ELECTRIC FUEL CELL
ASD-TDR-62-42 N63-16114 13-06

CHEMICAL SYNTHESIS OF NEW OXIDIZERS FOR SOLID PROPELLANTS
MRB-2022Q3 N63-16374 14-26

BINARY COMBINATIONS OF ENERGETIC FLUORINE CONTAINING OXIDIZERS - CONDUCTIMETRIC TITRATIONS OF COMPOUNDS WITH CHLORINE & FLUORINE IONS
MRB-2022Q4 N63-19102 18-07

MONTANA STATE COLL., BOZEMAN.
CYCLING BEHAVIOR IN ONE-DIMENSIONAL, BILATERAL ITERATIVE NETWORKS
AFCRL-62-728 N63-11953 05-09

DYNAMIC SWITCHING IN ONE-DIMENSIONAL ITERATIVE NETWORK - EXISTENCE OF ALGORITHMS
AFCRL-63-68 N63-18204 16-09

MOSCOW STATE U. /U.S.S.R./
DETERMINATION OF BODY SHAPES OF MINIMUM DRAG USING NEWTON AND BUSEMANN PRESSURE LAWS
N63-13833 09-20

MOTOROLA, INC., PHOENIX, ARIZ.
COMPATIBLE TECHNIQUES FOR INTEGRATED CIRCUIT FABRICATION - THIN FILMS, CAPACITORS, RESISTORS
N63-14327 10-09

FORMATION OF THERMAL OXIDES OF SILICON AND SURFACE COATING OF SILICON DEVICES
AFCRL-63-21 N63-14533 10-09

INTEGRATED CIRCUITS - MICROELECTRONICS
N63-17372 15-09

FAILURE MECHANISMS AT INTERFACE BETWEEN METAL FILM AND THIN FILM DIELECTRIC
RADC-TDR-63-152 N63-18640 17-09

PROCESS TECHNIQUES FOR INTEGRATED CIRCUIT FABRICATION N63-20075 20-09

INTEGRATED CIRCUIT TECHNOLOGY - THIN FILM & SEMI-CONDUCTOR FUNCTIONS N63-20117 20-09

SILICON PLANAR EPITAXIAL TRANSISTOR IMPROVEMENT
N63-22571 23-09

TESTS OF EPITAXIAL GROWTH REACTOR MONITOR CONTROLLING COMPOSITION OF VAPOR STREAM
AFCRL-63-349 N63-22958 23-09

MOTOROLA, INC., RIVERSIDE, CALIF.
AUTOMATIC FLIGHT CONTROL AND INSTRUMENTATION
N63-13368 08-22

MOTOROLA, INC., SCOTTSDALE, ARIZ.
REQUIREMENTS FOR DETERMINING THERMAL PERFORMANCE PROPERTIES OF AIRBORNE ELECTRONICS EQUIPMENT IN ENVIRONMENTAL TESTS N63-16753 14-09

RELIABILITY OF SPACECRAFT ELECTRONIC EQUIPMENT - ASSURING LARGE MEAN-TIME-BETWEEN-FAILURES
N63-17288 15-17

MOUND LAB., MIAMISBURG, OHIO.
PLASTICS, ISOTOPE SEPARATION, RADIOELEMENTS, REACTOR FUELS
MLM-1129 N63-10419 01-01

PLASTICS RESEARCH - ISOTOPE SEPARATION AND PURIFICATION, AND REACTOR FUELS
MLM-1133 N63-10420 01-01

REACTOR FUELS - PLASTICS, X-RAYS, RADIOELEMENTS
MLM-1135 N63-10421 01-01

PLASTICS RESEARCH, ISOTOPES, RANGER X-RAY SENSOR, RADIOACTIVE ELEMENTS AND REACTOR FUELS
MLM-1136 N63-11348 03-01

PLASTICS RESEARCH, ADHESIVES, REACTOR FUELS, RADIOACTIVE ELEMENTS AND ISOTOPES
MLM-1137 N63-11349 03-01

PLASTICS RESEARCH, RADIOACTIVE ELEMENTS, ISOTOPE SEPARATION & PURIFICATION, REACTOR FUELS, X-RAY SENSORS
MLM-1138 N63-11350 03-01

ACTINIUM - CHEMICAL AND PHYSICAL PROPERTIES, COMPOUNDS, ISOTOPES, AND CHEMICAL ANALYSIS
MLM-1147-TR N63-13419 08-18

PLASTICS AND RADIOELEMENTS RESEARCH - ISOTOPE SEPARATION AND PURIFICATION - REACTOR FUELS
MLM-1144 N63-14625 10-23

ATOMIC ENERGY R&D - ADHESIVES, RADIOELEMENTS, RADIOISOTOPE SEPARATION, ALPHA & NEUTRON SOURCES, REACTOR FUELS & MATERIALS, CHEMICAL ANALYSIS
MLM-1145 N63-15558 12-17

VAPOR-LIQUID EQUILIBRIUM OF DILUTE SOLUTIONS OF POLONIUM IN LIQUID BISMUTH
MLM-987 N63-16556 14-11

PLASTICS, ADHESIVES, ISOTOPES, REACTOR MATERIALS AND FUELS, AND PLUTONIUM REAGENTS
MLM-1146 N63-20345 20-07

PROFILE MEASUREMENT OF THIN LAYERS OF ALPHA EMITTING MATERIALS
MLM-1159 N63-20922 21-23

MSA RESEARCH CORP., CALLERY, PA.
THERMOCHEMICAL PROPERTIES OF RUBIDIUM AND CESIUM
N63-17860 16-17

N

NAGOYA U. /JAPAN/.
ENVIRONMENTAL MEDICINE - HUMAN FACTORS, BIOASTRONAUTICS N63-11608 04-16

MOTION OF ELECTRON IN MAGNETIC BOTTLE - PARTICLE TRAJECTORY
IPPJ-2 N63-15423 12-24

PLASMA PHYSICS - HIGH TEMPERATURE PLASMA DEVICE, IONIZATION, CESIUM PLASMA, ELECTRON PLASMA, AND PLASMA SPECTRUM N63-15469 12-24

CANONICAL FORMALISM OF MOTION OF CHARGED PARTICLES IN MAGNETIC FIELD
IPPJ-5 N63-15503 12-24

LANGMUIR PROBE METHOD FOR PLASMA HAVING SMALL AMPLITUDE OSCILLATIONS - ELECTRON TEMPERATURE AND ELECTRON DENSITY CONSIDERED
IPPJ-4 N63-15661 12-24

MICROWAVE RADIATION INTENSITY AT CYCLOTRON RESONANCE IN COLD PLASMA - NEGATIVE TEMPERATURE
IPPJ-6 N63-15867 13-24

NONADIABATIC MOTION OF A CHARGED PARTICLE IN AN EXTERNAL MAGNETIC FIELD
IPPJ-8 N63-15868 13-24

ATMOSPHERIC RADIO NOISE, LIGHTNING DISCHARGE RADIATION, LIGHT POLARIZATION AND VERY LOW FREQUENCY RADIATION N63-18220 17-21

ATMOSPHERIC RADIATION INTENSITY AND FREQUENCY DISTRIBUTION OF LIGHTNING DISCHARGES
N63-18221 17-21

STATISTICAL ANALYSIS OF ATMOSPHERIC RADIO NOISE
N63-18222 17-08

INTERFEROMETER FOR POLARIZATION MEASUREMENTS AT 9.4-GC/S - ATMOSPHERICS N63-18223 17-15

OBSERVATORY FOR DETECTION OF WHISTLERS AND ATMOSPHERIC-EMITTED VERY LOW FREQUENCY RADIO WAVES
N63-18224 17-10

DAYTIME ATTENUATION COEFFICIENT OF VLF RADIO WAVES FROM ELECTRIC FIELD STRENGTH OF ATMOSPHERICS

N63-18225 17-21

RADIATION BY PLASMA WAVES IN HOMOGENEOUS PLASMA - TRANSFORMATION OF PLASMA WAVES INTO ELECTRO-MAGNETIC RADIATION
IPPJ-9 N63-18786 18-24

STABILITY OF PLASMAS IN MAGNETIC FIELDS
IPPJ-7 N63-18885 18-24

ELECTRON MICROSCOPIC STUDIES ON BONE MARROW CELLS OF IRRADIATED RATS N63-18969 18-16

APLES HOSPITAL CENTER /ITALY/.
THROMBOCYTEMIA AND THROMBOCYTOSIS - DISEASES OF BLOOD PLATELETS N63-18961 18-16

APLES U. /ITALY/.
HIGH-ENERGY SCATTERING - PART 1, POTENTIAL SCATTERING & FIELD THEORY - PART 2, EQUATION FOR REGGE TRAJECTORIES N63-12050 05-23

ASYMPTOTIC CONVERGENCE OF RENORMALIZED PERTURBATIVE EXPANSIONS OF PROPAGATION KERNELS N63-12673 06-20

MATHEMATICAL ANALYSIS OF FIELD THEORIES - NUCLEON-PION COUPLINGS N63-12771 06-23

ELECTROMAGNETIC WAVE PROPAGATION IN INHOMOGENEOUS MEDIUM
IA-102 N63-22921 23-08

ARMCO RESEARCH AND DEVELOPMENT, SAN DIEGO, CALIF.
TUNGSTEN TO GRAPHITE BONDING N63-15548 12-17

EXOTHERMIC BRAZING OF REFRACTORY ALLOYS N63-22786 23-18

ADHESIVES FOR CRYOGENIC APPLICATIONS
NASA-CR-52279 N63-23796 24-19

ADHESIVES FOR CRYOGENIC APPLICATION WITH ALUMINUM, STAINLESS AND TITANIUM ALLOYS
NASA-CR-52278 N63-23797 24-19

ADHESIVES FOR CRYOGENIC APPLICATIONS
NASA-CR-52281 N63-23798 24-19

ATIONAL ACADEMY OF SCIENCES, WASHINGTON, D. C.
SPACE RESEARCH - ASTRONOMY, LUNAR & PLANETARY RESEARCH, BIOLOGY, SOLAR ATMOSPHERE, STERILIZATION AND CELESTIAL MECHANICS
NAS/NRC-1079 N63-11562 04-01

IMPACT ACCELERATION STRESS - 1961 NAS SYMPOSIUM
NAS-NRC/PUB-977 N63-12844 07-16

MARINER II SPACEFLIGHT TO VENUS - DATA ANALYSIS N63-19090 18-32

MATERIALS RESEARCH - MATERIAL SCIENCE, LIQUID AND SOLID MATERIALS, RADIATION EFFECT, TRANSPORT PROPERTIES, ELECTRIC AND THERMAL PROPERTIES
ACR-61 N63-19211 18-23

DATA ACQUISITION FROM SPACECRAFT TRACKING AND FROM DEEP SPACE N63-20079 20-08

BISTATIC RADAR TRACKING FOR DATA ACQUISITION FROM DEEP SPACE N63-20081 20-05

COMPUTATION OF LOWER LIMIT OF MASS OF A MAIN SEQUENCE STAR
NASA-RP-13 N63-21099 21-29

MOTIVATION FOR SPACE EXPLORATION AND RESEARCH N63-23437 24-01

SPACE AGE TECHNOLOGY APPLIED TO ASTRONOMY - POSSIBILITY OF OBSERVATIONAL BASIS FOR RESOLVING STEADY-STATE VS. RELATIVISTIC COSMOLOGICAL THEORY N63-23451 24-05

ATIONAL AERO- AND ASTRONAUTICAL RESEARCH INST., MSTERDAM, /NETHERLANDS/.
CODE ACTUATED RANDOM LOAD APPARATUS /CARLA/ - FATIGUE TESTS ON LARGE STRUCTURES
MP-214 N63-10066 01-33

WIND TUNNEL INVESTIGATION OF A TWO-DIMENSIONAL AIRFOIL BLOWING OVER A FLAP & OVER A CONTROL SURFACE
MP-215 N63-10067 01-03

AERODYNAMIC CHARACTERISTICS OF FLAT PANELS, WEDGE-SHAPED PLATES AND OSCILLATING RECTANGULAR WINGS IN SUPERSONIC FLOW
NLL-TR-S.527 N63-11832 04-03

CALCULATION OF SUPERSONIC FLOW AROUND AXISYMMETRIC BODIES WITH AXIS INCLINATIONS
G-25 N63-11833 04-11

MEASUREMENTS ON AGARD CALIBRATION MODEL B IN TRANSONIC SPEED RANGE - WIND TUNNEL TEST WITH AND WITHOUT FIXED TRANSITION N63-13510 08-02

MEASUREMENTS ON AGARD CALIBRATION MODEL B IN MACH NUMBER RANGE FROM 1.4 TO 8 - WIND TUNNEL TESTS, FREE FLIGHT, DRAG AND TRANSITION N63-13511 08-02

MEASUREMENTS ON AGARD CALIBRATION MODEL C IN TRANSONIC SPEED RANGE - FIXED TRANSITION, BOUNDARY LAYER - PITCHING MOMENT N63-13512 08-02

LONGITUDINAL STABILITY & CONTROL OF SIEBEL PH-NLL AIRCRAFT IN GLIDING & POWERED FLIGHT
NLL-TN-V.1875 N63-13692 08-04

EFFECT OF GLUELINE RIGIDITY ON FATIGUE STRENGTH OF 2024-T ALUMINUM ALLOY WITH ADHESIVE BONDED REINFORCING PLATES ON BOTH SIDES
NLR-TN-M.2096 N63-14319 10-33

BEHAVIOR OF FOKKER BOND TESTER ON DOUBLE LAP JOINTS
NLR-TN-M.2098 N63-14320 10-15

USE OF FOKKER BOND TESTER IN DESTRUCTIVE AND NONDESTRUCTIVE TEST ON REDUX BONDED SINGLE AND DOUBLE LAP JOINTS
NRL-TN-M.2099 N63-14321 10-33

ANALOG DATA REDUCTION OF STOCHASTIC DATA - POWER SPECTRA, CROSS POWER SPECTRA, & RANDOM SIGNALS
NLR-TN-V.1895 N63-21255 21-20

AERODYNAMICS, AEROELASTICITY, MATERIAL STRENGTH AND FLIGHT CHARACTERISTICS OF V/STOL AIRCRAFT N63-21631 22-01

FATIGUE STRENGTH OF DOUBLE ROW RIVETED SINGLE LAP JOINTS - EFFECT OF SPECIMEN SIZE, ALUMINUM ALLOY
NLR-TN-M.2104 N63-21720 22-33

DYNAMIC LONGITUDINAL STABILITY OF DELTA WING SUPERSONIC AIRCRAFT
NLR-TN-V.1913 N63-23344 24-03

NATIONAL AEROMEDICAL CENTER, SOESTERBERG /NETHERLANDS/.
PHYSIOLOGICAL ACCELEROMETERS - BIOMECHANICS, HUMAN TOLERANCE, OTOLOGY, WEIGHTLESSNESS N63-12849 07-16

NATIONAL AERONAUTIC ASSN., WASHINGTON, D.C.
GROUND SPEED INFORMATION FROM DISTANCE MEASURING EQUIPMENT - DERIVATION AND INSTRUMENTATION N63-13369 08-15

NATIONAL AERONAUTICAL ESTABLISHMENT, OTTAWA /CANADA/.
STRUCTURE AND CHEMICAL ANALYSIS OF UPPER ATMOSPHERE AND IONOSPHERE BY SOUNDING ROCKET AND SIMULATION STUDIES N63-18067 16-12

NATIONAL AERONAUTICAL LAB., BANGALORE /INDIA/.
OPTIMUM WIND VELOCITY DETERMINED BY MAXIMUM ENERGY OUTPUT AND MINIMUM ENERGY COST ESTIMATE FOR WIND MACHINES
NAL-TN-WP-20-63 N63-20948 21-21

HOURLY WIND SPEEDS AT BOMBAY - WIND POWER UTILIZATION
NAL-TN-WP-19-62 N63-20949 21-21

RATIONAL APPROXIMATIONS AS APPLIED TO COMPUTATION

OF EXPONENTIAL FUNCTION
NAL-TN-MM-1-62 N63-21672 22-20

UNREGULATED BLOWDOWN USING WIND TUNNEL AT TRANSONIC SPEEDS
TN-AE-14-62 N63-22382 23-02

WIND SPEEDS MEASUREMENT AND UTILIZATION OF WIND PRESSURE FOR POWER
TN-WP-21-63 N63-22523 23-21

WIND MEASUREMENTS TO ESTIMATE AMOUNT OF EXTRACTABLE ENERGY
TN-WP-22-63 N63-22524 23-21

HIGH SPEED WIND TUNNEL FOR AEROSPACE RESEARCH - DESIGN AND OPERATION OF TRISONIC WIND TUNNEL
SR-AE-1-63 N63-22672 23-10

NATIONAL AERONAUTICAL LAB., TOKYO /JAPAN/.

SMALL DISTURBANCE THEORY OF TRANSONIC FLOW - NONLINEAR CORRECTION THEORY
NAL-TR-9T N63-11907 04-03

FACILITIES FOR TESTING TURBOJET ENGINE COMPONENTS
NAL-TR-24 N63-11908 04-10

DESIGN AND PERFORMANCE OF NOZZLES FOR A SUPERSONIC BLOWDOWN WIND TUNNEL
NAL-TR-26 N63-11909 04-02

APPROXIMATION OF UNSTEADY TRANSONIC FLOW BASED ON NONLINEAR SMALL DISTURBANCE THEORY
NAL-TR-27 N63-11910 04-03

PLASTIC DEFORMATION AND FATIGUE CRACKS
NAL-TR-28 N63-11911 04-33

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C.

HEAT TRANSFER CHARACTERISTICS OF RADIATOR FINNED-TUBE CONFIGURATIONS
NASA-TN-D-1435 N63-10173 01-13

MODES OF CONTROL FOR LINEAR AUTONOMOUS SYSTEM
NASA-TN-D-1589 N63-10182 01-09

MEASUREMENT OF THE STATE VECTOR
NASA-TN-D-1590 N63-10202 01-20

ROCKETS IN NASA SPACE PROGRAM
N63-10232 01-31

THERMAL PROTECTION AND STRUCTURES FOR REENTRY VEHICLES N63-10238 01-34

NUCLEAR ELECTRIC POWER SYSTEMS
ARS PAPER-2522-62 N63-10260 01-06

RECOVERABLE SPACE LAUNCHING NUCLEAR SYSTEMS
N63-10376 01-27

MAGNETIC FIELDS IN SPACE N63-10427 01-29

THE CHALLENGE OF SPACE EXPLORATION
N63-10495 01-29

STATISTICAL METHOD IN THE NONLINEAR THEORY OF ELASTIC SHELL
NASA-TT-F-85 N63-10532 01-33

RELIABILITY MODEL AND ANALYSIS FOR PROJECT MERCURY 3-ORBIT MANNED AND UNMANNED MISSION
NASA-TN-D-1558 N63-10536 01-32

SPACE APPLICATIONS - TIROS, NIMBUS, AND AEROS
N63-10555 01-30

LAUNCH VEHICLES OF THE NATIONAL LAUNCH VEHICLE PROGRAM, NASA PROGRAMS
NASA-SP-10 N63-10712 02-31

MAGNETIC FIELD OF THE CRAB NEBULA AND ITS CENTRAL STAR
NASA-TT-F-112 N63-10769 02-05

SPACECRAFT STERILIZATION
NASA-TN-D-1357 N63-10793 02-16

DIGITAL COMPUTER ANALYSIS OF STATICALLY INDETERMINATE STRUCTURES
NASA-TN-D-1666 N63-10801 02-33

THERMODYNAMICS AND PROPAGATION OF CARBON DIOXIDE - AIR DETONATION WAVES AT VARIOUS INITIAL PRESSURES
NASA-TN-D-1667 N63-10802 02-22

STATEMENT OF NASA ADMINISTRATOR BEFORE HOUSE COMMITTEE ON SCIENCE & ASTRONAUTICS - NASA PROGRAMS, SPACE SCIENCE, ASTRONAUTICS
N63-10910 02-29

LOGICAL NET MECHANIZATION FOR TIME-OPTIMAL REGULATION - MAPPING FUNCTION
NASA-TN-D-1678 N63-10952 02-20

SCALING LAWS FOR DAMPING
NASA-TN-D-1467 N63-10987 02-33

STUDIES OF THE UPPER ATMOSPHERE - AURORA AND AIRGLOW
NASA-TT-F-106 N63-10988 02-12

STRUCTURAL SYNTHESIS OF SYMMETRIC WAFFLE PLATE
NASA-TN-D-1691 N63-11050 03-34

THEORY OF FOLDING DEFORMATIONS IN EXPANDABLE STRUCTURES, TOROIDAL SHELLS
NASA-TN-D-1690 N63-11056 03-34

THEORY AND APPLICATION OF FILAMENTARY STRUCTURES - FILAMENT-WOUND PRESSURE VESSELS
NASA-TN-D-1692 N63-11057 03-34

MAGNETOHYDRODYNAMIC WAVE PROPAGATION IN DIPOLE MAGNETIC FIELD
NASA-TN-D-1689 N63-11124 03-24

CONFERENCE ON PEACEFUL USE OF SPACE, 1962 - MERCURY, APOLLO, GEMINI PROJECTS, METEOROLOGICAL & COMMUNICATION SATELLITES
NASA-SP-8 N63-11137 03-01

SPACE SCIENCE - EARTH, SUN, AND STARS - RADIATION
N63-11138 03-29

SPACE SCIENCE - SOLAR PROBES, LAUNCH, AND UNMANNED SPACECRAFT N63-11139 03-29

SPACECRAFT PROPULSION - LAUNCH AND REENTRY
N63-11140 03-30

NUCLEAR ROCKETS AND NUCLEAR ELECTRIC PROPULSION SYSTEMS N63-11141 03-27

METEOROLOGICAL SATELLITES FOR WEATHER FORECASTING, NIMBUS AND TIROS SATELLITES N63-11142 03-21

COMMUNICATIONS SATELLITES - ACTIVE REPEATERS AND PASSIVE REFLECTORS N63-11143 03-30

TRACKING AND DATA ACQUISITION FROM SPACECRAFT USING MINITRACK NETWORK N63-11144 03-09

OBSERVATIONS OF MARS IN THE USSR DURING THE GREAT OPPOSITION OF 1956
NASA-TT-F-93 N63-11212 03-29

PAYLOAD CAPABILITIES OF ELECTRIC PROPULSION SYSTEMS FOR SPACECRAFT
ARS PAPER-2654-62 N63-11266 03-27

THE UNITED STATES STANDARD ATMOSPHERE, 1962
ARS PAPER-2678-62 N63-11271 03-21

EFFECT OF LUNAR ORBIT RENDEZVOUS CONCEPT ON TESTS, OPERATIONS AND SUPPORT PROBLEMS OF LUNAR EXPLORATION
ARS PAPER-2686-62 N63-11272 03-29

SPACE SCIENCES - GEOPHYSICS, METEOROLOGY
N63-11413 03-12

NASA-UNIVERSITY CONFERENCE ON SPACE - ROCKETS, GEOPHYSICS, ASTRONOMY, CELESTIAL MECHANICS AND BIOASTRONAUTICS - VOL I
NASA-SP-11, VOL. 1 N63-11501 03-29

ASA-UNIVERSITY CONFERENCE ON SPACE - NUCLEAR, EMICAL AND ELECTRIC PROPULSION - AERODYNAMICS, S DYNAMICS AND PLASMA PHYSICS - VOL II
ASA-SP-11, VOL. 2 N63-11502 03-29

OPHYSICS AND ASTRONOMY IN SPACE EXPLORATION
ASA-SP-13 N63-11503 03-12

NAR AND PLANETARY SCIENCES IN SPACE EXPLORATION
SA-SP-14 N63-11504 03-29

LESTIAL MECHANICS AND SPACE FLIGHT ANALYSIS
SA-SP-15 N63-11505 03-05

TA ACQUISITION FROM SPACECRAFT
SA-SP-16 N63-11506 03-20

NTROL, GUIDANCE, AND NAVIGATION OF SPACECRAFT
SA-SP-17 N63-11507 03-22

OASTRONAUTICS - SPACE ENVIRONMENT, HUMAN RFORMANCE
ASA-SP-18 N63-11508 03-16

QUID ROCKET PROPULSION
ASA-SP-19 N63-11509 03-27

CLEAR ROCKET PROPULSION
SA-SP-20 N63-11510 03-27

WER FOR SPACECRAFT
SA-SP-21 N63-11511 03-06

ECTRIC PROPULSION FOR SPACECRAFT
SA-SP-22 N63-11512 03-27

RODYNAMICS OF SPACE VEHICLES
SA-SP-23 N63-11513 03-02

S DYNAMICS IN SPACE EXPLORATION
SA-SP-24 N63-11514 03-11

ASMA PHYSICS AND MAGNETOHYDRODYNAMICS IN SPACE PLORATION
SA-SP-25 N63-11515 03-24

BORATORY TECHNIQUES IN SPACE ENVIRONMENT SEARCH
SA-SP-26 N63-11516 03-23

TERIALS FOR SPACE EXPLORATION
SA-SP-27 N63-11517 03-19

RUCTURES FOR SPACE SCIENCE - WINGED VEHICLES, ANETARY ENTRY VEHICLES, CONFIGURATION AND DESIGN
SA-SP-28 N63-11518 03-34

TERNATE CONCLUSIONS ON TIME VARIATIONS OF TENSITY IN THE INNER RADIATION ZONE BASED ON PLORER VII DATA N63-11577 04-28

LOCITY AND ENERGY OF THE TUNGUSK METEORITE
SA-TT-F-89 N63-11609 04-29

IGIN OF TEKTITES - URANIUM AND LEAD IN SAMPLES D ISOTOPIC COMPOSITION OF THE LEAD
SA-TT-F-113 N63-11611 04-29

STEMATIZING TEKTITE DATA USING MANUAL CARD SORT, TEORITIC APPLICATION
SA-TT-F-114 N63-11612 04-20

LATIVE IGNITABILITY OF SOLID PROPELLANTS EXPOSED CHLORINE TRIFLUORIDE
SA-TN-D-1533 N63-11616 04-26

RODYNAMIC CHARACTERISTICS IN GROUND EFFECT OF A RGE SCALE MODEL
SA-TN-D-1557 N63-11617 04-02

QUETTE SATELLITE FOR IONOSPHERIC RESEARCH
SA FACTS-F-12-62 N63-11963 05-32

PROXIMATE SOLUTION TO NONLINEAR DIFFERENTIAL UATION OF THIRD ORDER WITH BOGOLYUBOV ASYMPTOTIC THOD
SA-TT-F-133 N63-12061 05-20

RECT MEASUREMENTS OF COSMIC DUST SHOWERS

NASA-TN-D-1544 N63-12062 05-32

RELAY PROJECT - COMMUNICATIONS SATELLITE
NASA FACTS-G-12-62 N63-12072 05-30

EXPLORER SATELLITES - GEOPHYSICAL SATELLITE
NASA FACTS-E-10-62 N63-12073 05-30

MARINER SPACECRAFT - VENUS FLIGHT
NASA FACTS-D-62 N63-12091 05-32

NASA AERONAUTICAL RESEARCH PROGRAM - HELICOPTERS, SUPERSONIC TRANSPORT, STOL VEHICLES, MULTIMISSION AIRCRAFT & X-15 - CONGRESSIONAL HEARINGS
N63-12138 05-01

SPACE COMMUNICATIONS - NASA PROGRAMS, TRACKING, AND DATA PROCESSING N63-12295 05-06

MARINER SPACECRAFT - VENUS PROBE & SPACE EXPLORATION N63-12359 06-32

SATURN SA-3 LAUNCH - HIGH WATER PROJECT
N63-12360 06-31

RELAY PROJECT - COMMUNICATIONS SATELLITE - RADIATION DAMAGE N63-12361 06-32

NASA PROGRAMS - GENERAL SUCCESS FACTORS INVOLVED
N63-12364 06-01

CHRONOLOGY OF MAJOR LAUNCHINGS OF SPACE VEHICLES BY NASA N63-12365 06-01

SATURN NAME CHANGES - SATURN VEHICLE I, IB AND V - SATURN STAGE S-I, S-IC, S-II, S-IV AND S-IVB
N63-12491 06-31

PROPELLANTS FOR LUNAR LANDING - HIGH SPECIFIC AND DENSITY IMPULSE, IGNITION, AND STORAGE
NASA-TN-D-1723 N63-12640 06-27

SPACE EXPLORATION & SPACE SCIENCE - CONFERENCE ADDRESSES
NASA-EP-5 N63-12715 06-01

INTERDISCIPLINARY COMMUNICATION AMONG SCIENTISTS - NASA PROGRAMS N63-12835 06-16

OBJECTIVES OF SPACE BIOLOGY - SEARCH FOR EXTRA-TERRESTRIAL LIFE, SUPPORT OF MANNED SPACE FLIGHT, STUDY OF ORGANISM-ENVIRONMENT RELATIONSHIPS
N63-12836 06-16

LIFE SUPPORT FOR MANNED SPACE FLIGHT - NASA PROGRAMS N63-12837 06-16

NASA MANNED SPACE FLIGHT PROGRAMS - MERCURY, ONE-DAY MISSIONS, GEMINI, AND APOLLO
N63-12838 06-32

GROUND SUPPORT OF NASA SPACE PROGRAMS - TRACKING AND COMMAND TECHNIQUES - MINITRACK, DEEP SPACE STATIONS, MERCURY NETWORK, DATA PROCESSING CENTERS
N63-12839 06-08

NASA SPACE PROGRAMS - INTERNATIONAL COOPERATION
N63-12840 06-01

NASA-SPONSORED SPACE RESEARCH - GEODESY, EARTH-SUN RELATIONSHIPS, MOON AND PLANETS, AND ASTRONOMY - SATELLITE AND SPACE PROBE DATA REVIEW
N63-12841 06-29

REVIEW OF NASA IMPACT WORK - APOLLO PROJECT, HUMAN TOLERANCE, ACCELERATION STRESS
N63-12845 07-16

OXYGEN AND NITROGEN CHEMISTRY OF UPPER ATMOSPHERE
IAS PAPER-63-4 N63-12882 07-07

CREW PERFORMANCE ON SIMULATED LUNAR MISSION
IAS PAPER-63-18 N63-12885 07-14

HEAVY-PARTICLE ELECTROSTATIC THRUSTORS - NASA PROGRAM
IAS PAPER-63-19 N63-12886 07-27

NUMERICAL INTEGRATION PROCESS TO DETERMINE

AERODYNAMIC FORCES AND USE OF AIR FORCES TO COMPUTE FLUTTER BOUNDARIES
IAS PAPER-63-22 N63-12887 07-33

DESIGN OF UNMANNED SPACECRAFT FOR PLANETARY AND INTERPLANETARY EXPLORATION - STERILIZATION - HEAT SHIELDS
IAS PAPER-63-36 N63-12890 07-32

ASTRONOMICAL ASPECTS OF THE EMERGENCE OF INTELLIGENCE
IAS PAPER-63-48 N63-12893 07-29

U.S. STANDARD ATMOSPHERE - 1962
N63-12971 07-21

MARINER II MICROWAVE AND INFRARED RADIOMETER RESULTS N63-13151 07-29

COSMIC DUST EXPERIMENT ON MARINER II TO MEASURE FLUX OF INTERPLANETARY DUST PARTICLES BETWEEN EARTH AND VENUS N63-13152 07-29

RADIO TRACKING OF MARINER II AND ITS SCIENTIFIC IMPLICATIONS N63-13161 07-08

MARINER II DEEP SPACE TELECOMMUNICATIONS
N63-13162 07-08

DELTA LAUNCH VEHICLE - MOST RELIABLE BOOSTER OF NASA N63-13163 07-31

NASA GEOPHYSICS AND ASTRONOMY PROGRAM FOR SPACE EXPLORATION N63-13173 07-12

RESEARCH PROBLEMS CONCERNING AIRCRAFT OPERATION - PERFORMANCE, FIRE, TRAFFIC CONTROL, AND COLLISION
NASA-TN-D-1596 N63-13184 07-01

GAS CHROMATOGRAPHIC MEASUREMENT OF TRACE CONTAMINANTS IN SIMULATED SPACE CABIN
NASA-TN-D-1825 N63-13189 07-07

INTERPLANETARY MEDIUM - FIELDS AND PARTICLES DATA FROM MARINER II VENUS PROBE
N63-13194 07-29

NASA GEOPHYSICS AND ASTRONOMY PROGRAMS
N63-13215 07-05

POSTURAL REFLEXES IN ANIMALS UNDER INCREASED AND DECREASED GRAVITY - ADAPTION UNDER WEIGHTLESSNESS
NASA-TT-F-130 N63-13222 07-16

TONUS OF RABBIT EYE MUSCLE UNDER WEIGHTLESSNESS
NASA-TT-F-131 N63-13223 07-16

DEVELOPMENT OF SOUNDING ROCKETS IN JAPAN - RADAR AND OPTICAL TRACKING, MANAGEMENT, AERODYNAMICS, ROCKOON, AND ELECTRONIC EQUIPMENT
NASA-TT-F-87 N63-13251 07-04

ORBITING SOLAR OBSERVATORY, ORBITING ASTRONOMICAL OBSERVATORY, ORBITING GEOPHYSICAL OBSERVATORY
N63-13292 07-32

EXPLORER XVI, THE MICROMETEOROID SATELLITE
NASA FACTS-A-1-63 N63-13537 08-32

EXPLOSION WELDING
NASA-TT-F-140 N63-13539 08-17

SOCIAL AND MORAL RESPONSIBILITY OF SCIENTISTS AND ENGINEERS N63-13542 08-01

NASA CONSIDERS DATA COLLECTION SATELLITE SYSTEM - OCEANOGRAPHIC & METEOROLOGICAL APPLICATIONS
N63-13587 08-32

NASA SEVENTH SEMIANNUAL REPORT TO CONGRESS, JAN 1 THROUGH JUNE 30, 1962 N63-13635 08-01

RELAY COMMUNICATIONS SATELLITE REACTIVATED
N63-13651 08-32

S6 SCIENTIFIC SATELLITE AND MEASUREMENT OF ATMOSPHERIC PARAMETERS, ELECTRON DENSITY AND TEMPERATURE - PRESSURE & MAGNETIC FIELD VARIATION
AAS-62-81 N63-13738 08-32

NASA PROGRAMS FOR SPACE EXPLORATION
NASA-AL-B-2-63 N63-13744 08-[illegible]

IGY BIBLIOGRAPHY OF LITERATURE PUBLISHED IN RUSSIAN
NASA-TT-F-109 N63-14012 09-[illegible]

FAA AND NASA JOINT SUPERSONIC TRANSPORT SIMULATOR PROGRAM N63-14100 09-[illegible]

ATMOSPHERIC STRUCTURE SATELLITE /S-6/ DESCRIPTION AND PURPOSE N63-14101 09-[illegible]

RELAY I SATELLITE MISSION OBJECTIVES
N63-14121 09-[illegible]

RADIATION RESISTANT SILICON CELLS FOR SOLAR ENERGY CONVERSION N63-14149 09-[illegible]

SEVEN-TRANSISTOR VOLTAGE STABILIZER WITH OUTPUT POWER OF 25 WATTS
NASA-TT-F-155 N63-14210 09-[illegible]

ACTION OF CERTAIN PHARMACOLOGICAL AGENTS ON INTRACRANIAL CIRCULATION - CARBON DIOXIDE IN BLOOD
NASA-TT-F-160 N63-14248 10-[illegible]

NONLINEARITY EFFECTS IN SEVERAL CLAMPED-CLAMPED BEAM VIBRATION PROBLEMS
NASA-TN-D-1872, REV. N63-14279 10-[illegible]

SPACE EXPLORATION - RESULTS, PLANS, AND MOTIVATIONS
N63-14291 10-[illegible]

INTRACRANIAL CIRCULATION - PLATINUM ELECTRODE BIOSENSORS
NASA-TT-F-159 N63-14316 10-[illegible]

FOURTH SATURN I /SA-4/ LAUNCHING TO TEST ENGINE-OUT CAPABILITY OF SATURN BOOSTER
N63-14343 10-[illegible]

PRESSURE PULSES IN CLOSED CRANIAL CAVITY - CEREBROSPINAL FLUID PULSE WITH BIOLOGICAL PRESSURE PROBE
NASA-TT-F-158 N63-14364 10-[illegible]

INFRARED SPECTROPHOTOMETRY FOR LUNAR AND PLANETARY SOIL ANALYSIS
NASA-TN-D-1871 N63-14406 10-[illegible]

EFFECTS OF SPECTRAL CONTENT AND DURATION OF PERCEIVED NOISE LEVEL
NASA-TN-D-1873 N63-14430 10-[illegible]

EXTRACRANIAL AND INTRACRANIAL CIRCULATION IN ANIMALS BY ELECTROPLETHYSMOGRAPHY
NASA-TT-F-161 N63-14431 10-[illegible]

PULSE AND RESPIRATORY FLUCTUATIONS OF INTERCRANIAL PRESSURE IN HERMETIC CAVITY
NASA-TT-F-162 N63-14432 10-[illegible]

SPACE FLIGHT TECHNOLOGY - PROPULSION, STRUCTURES, AND AERODYNAMICS N63-14582 10-[illegible]

SATELLITE INSTRUMENTATION TESTED ABOARD A SOUNDING ROCKET - ATMOSPHERIC DRAG TESTS
N63-14973 11-[illegible]

ANALYSIS OF PRELIMINARY EXPLORER XVII DATA - DISCOVERY OF NEUTRAL HELIUM BELT, MEASUREMENT OF ATMOSPHERIC DENSITY AND ELECTRON TEMPERATURE
N63-14974 11-[illegible]

APOLLO PROJECT AND LUNAR LOGISTICS SYSTEM PLANS
N63-14991 11-[illegible]

RADIATION EFFECT ON MISSION OF MAN IN SPACE
N63-15115 11-[illegible]

RADIATION SHIELDING FOR SPACECRAFT - APOLLO PROJECT N63-15146 11-[illegible]

ELECTRIC MODEL FOR HYDRAULIC DESIGN OF AIR COOLING SYSTEMS FOR MULTISTAGE GAS TURBINES
NASA-TT-F-78 N63-15237 11-[illegible]

PARTIAL SEPARATION OF VARIABLES APPLIED TO TWO

P-ELECTRON CALCULATIONS - SPIN ORBIT, ANGULAR MOMENTUM, ENERGY TRANSFER, ATOMIC EXCITATION
NASA-TT-F-152 N63-15238 11-23

UNITED STATES SPACE PROGRAM - SUMMARY
N63-15257 12-29

MODULATION OF SPINNING COIL ELECTROMOTIVE FORCE BY MAGNETIC SIGNAL N63-15296 12-08

LOW FREQUENCY HYDROMAGNETIC WAVES IN DISTANT GEOMAGNETIC FIELD - EXPLORER VI SATELLITE
N63-15311 12-32

FLOW PATTERN WITHIN CONSTANT PRESSURE COMPRESSIBLE TURBULENT JET MIXING REGION
NASA-TN-D-1894 N63-15323 12-11

NASA-INDUSTRY PROGRAM PLANS CONFERENCE
NASA-SP-29 N63-15357 12-01

STARFISH PROJECT - NUCLEAR EXPLOSION - ARTIFICIAL RADIATION BELT N63-15360 12-28

PACKAGING INFLATABLE STRUCTURES - ISOMETRIC MAPPING OF STRAIN-FREE SURFACE DEFORMATIONS FOR FLAT ANNULAR DISK PACKAGE
NASA-TN-D-1918 N63-15393 12-34

ELECTROPLETHYSMOGRAPHY INVESTIGATION OF VOLUME CHANGE OF CEREBROSPINAL FLUID, AND VELOCITY CHANGE OF BLOOD CIRCULATION IN BRAIN
NASA-TT-F-157 N63-15510 12-16

CRANIAL BLOOD CIRCULATION ANALYSIS - VENOUS BLOOD OUTFLOW MECHANISM
NASA-TT-F-163 N63-15511 12-16

NETWORK OF ASTROPHYSICAL METEORITE OBSERVATORIES
N63-15615 12-05

SOLAR SPOTS AND FLARES AS VISIBLE SIGNAL FOR RELEASE OF ENERGETIC PARTICLES
N63-15748 12-28

TIME-OPTIMAL CONTROL THEORY APPLIED TO LAUNCH VEHICLE PITCH AND ATTITUDE CONTROL
NASA-TN-D-1895 N63-15775 13-30

DETERMINING TIME-INVARIANT AND TIME-VARIANT DYNAMIC CHARACTERISTICS OF PILOTS
NASA-TN-D-1897 N63-15776 13-14

DEFORMATION OF FLEXIBLE INFLATABLE STRUCTURES
NASA-TN-D-1919 N63-15777 13-33

ANALYSIS OF AXISYMMETRIC ROTATING PRESSURIZED FILAMENTS
NASA-TN-D-1920 N63-15778 13-34

DISTANT GEOMAGNETIC FIELD - HYDROMAGNETIC DISORDER AND SHOCKS IN MAGNETOPAUSE
N63-15852 13-29

WELDING TECHNIQUES
NASA-SP-501 N63-15862 13-17

ROLE OF ENGINEERING AND SCIENCE TO AERONAUTICS AND SPACE RESEARCH N63-15874 13-01

FUTURE DIRECTIONS OF NASA SPACE PROGRAMS
N63-16228 13-01

ELLIPTICAL ORBITS - ECCENTRICITY AND ANOMALY DATA COMPUTER SOLUTION OF KEPLER EQUATION
NASA-TR-R-158 N63-16258 13-29

EFFECT OF REFRACTION ON SETTING SUN AS SEEN FROM SPACE IN THEORY AND OBSERVATION - MA-6 AND MA-7 MISSIONS
NASA-TN-D-1721 N63-16292 13-12

SUPERSONIC TRANSPORT MATERIALS - NASA PROGRAMS
NASA-TN-D-1798 N63-16296 13-18

MARINER II SPACE PROBE REPORTS - VENUS PROBE
NASA FACTS-B-4-63 N63-16563 14-32

ARIEL SATELLITE - ELECTRON DENSITY, TEMPERATURE,

ION DISTRIBUTION AND CONCENTRATION IN IONOSPHERE
NASA FACTS-C-62 N63-16600 14-32

SATELLITE MEASUREMENT OF METEORITIC COSMIC DUST - EXPLORER I N63-16641 14-28

INTERNATIONAL COOPERATION IN SPACE RESEARCH
N63-16674 14-29

ENERGY DISSIPATION IN TISSUE FOR PROTON RADIATION IN SPACE - COMPARATIVE ANALYSIS OF LET SPECTRA OF FLARE PRODUCED AND FISSION NEUTRON RECOIL PROTONS
NASA-CR-50044 N63-16679 14-24

LUNAR PROGRAM - MERCURY, GEMINI, AND APOLLO PROJECTS OF MANNED SPACE FLIGHT PROGRAM
NASA-EP-7 N63-16696 14-32

INTERNATIONAL COOPERATION IN SPACE RESEARCH
N63-16697 14-29

REPORT OF MAJOR GORDON COOPER ON SPACE FLIGHT IN FAITH 7 /MERCURY PROJECT/ N63-16699 14-29

ORBITING SOLAR OBSERVATORY, FIRST OF STREETCAR SATELLITES - INSTRUMENTATION
NASA FACTS-B-62 N63-16700 14-29

RANGER PROJECT - FLIGHT PLAN, FLIGHT INSTRUMENTS, AND RESULTS OF RANGER III TEST FLIGHT
NASA FACTS-A-62 N63-16701 14-29

FORMATION OF DETONATION WAVES BY OXYGEN-HYDROGEN FUEL MIXTURE IN VARIABLE GEOMETRY TUBES
NASA-TN-D-1983 N63-16746 14-11

NASA SPACE FLIGHT PROGRAM N63-16748 14-32

REVIEW OF ADVANCED PROPULSION FOR MARS MISSION - NUCLEAR AND ELECTRIC PROPULSION SYSTEMS
N63-16834 14-29

PROBLEMS OF PRELAUNCH CHECKOUT OF APOLLO SPACECRAFT AND LAUNCH VEHICLE
N63-16972 14-32

TIROS VII METEOROLOGICAL SATELLITE
N63-17027 15-32

NEED FOR LEARNING IN SPACE AGE - SCIENCE AND TECHNOLOGY N63-17150 15-01

SYSTEM ANALYSIS OF SAMPLING DATA FOR RELIABILITY CONTROL
NASA-CR-50311 N63-17207 15-17

NUCLEAR PROPULSION PROGRESS - KIWI-B REACTOR, PROPELLANT AND ENGINE DEVELOPMENT, RIFT PROJECT, AND NERVA ENGINE N63-17227 15-27

SPACE EXPLORATION & HUMAN BEHAVIOR - SPACE FLIGHT, LUNAR MISSION, SPACE TECHNOLOGY, SATELLITES
N63-17236 15-29

SPACE EXPLORATION - METEOROLOGICAL AND COMMUNICATION SATELLITES - MERCURY AND APOLLO PROJECT N63-17252 15-01

SPACE EXPLORATION BY SATELLITES - MANNED SPACE FLIGHT AND X-15 AIRCRAFT N63-17392 15-32

LIQUID METAL STUDIES IN FRANCE AND GREAT BRITAIN
NASA-TM-X-884 N63-17429 15-18

INDUSTRIAL DISTRIBUTION OF NASA TECHNOLOGY
N63-17458 15-01

ADMINISTRATION AND MANAGEMENT OF SPACE PROGRAM
N63-17503 16-01

SCIENTIFIC OBJECTIVES OF SPACE PROBES
N63-17656 16-29

ELECTROENCEPHALOGRAM TRANSMISSION BY RELAY SATELLITE N63-17735 16-08

PREPARATIONS FOR MA-9 MANNED SPACEFLIGHT - MERCURY PROJECT NEWS RELEASE N63-17743 16-32

MEASURING MICROMETEORITE HAZARD WITH PARAGLIDER LAUNCHED FROM AEROBEE 150 ROCKET
N63-17744 16-12

COMMUNICATION SATELLITES - ECHO I, ECHO II, SCORE, COURIER, TELSTAR, RELAY AND SYNCOM
N63-17758 16-32

NATIONAL AERONAUTIC AND SPACE AGENCY SPACE RESEARCH PROGRAM
N63-17759 16-01

MOTIVATION FOR SPACE EXPLORATION - INTERNATIONAL LEADERSHIP AS THE REPRESENTATIVE OF CAPITALISM
N63-17809 16-29

ASTRONAUTS OF NASA MANNED SPACE FLIGHT TEAM
NASA-EP-11 N63-17926 16-14

LUNAR GEOLOGY - THEORIES CONCERNING TOPOGRAPHIC FEATURES
N63-18219 17-29

TUNGSTEN AND MOLYBDENUM METALLURGY AND METALLOGRAPHY
NASA-TT-F-135 N63-18312 17-18

NASA PROGRAM PLANNING - ASTRONOMY, SOLAR PHYSICS, PLANETARY ATMOSPHERES, IONOSPHERES, BIOSCIENCE AND PLANETOLOGY
NASA-TM-X-50138 N63-18313 17-29

CHRONOLOGY OF MAJOR NASA LAUNCHINGS
NASA-TM-X-50133 N63-18405 17-30

SYNCOM PROJECT - GLOBAL COMMUNICATIONS NETWORK WITH THREE SATELLITES
NASA FACTS-C-5-63 N63-18423 17-32

EFFECT OF AXIALLY SYMMETRICAL INITIAL IMPERFECTION ON BUCKLING LOAD OF CIRCULAR CYLINDRICAL SHELL UNDER AXIAL COMPRESSION LOADING
NASA-TN-D-2005 N63-18668 17-33

USE AND CALIBRATION OF INSTRUMENT FOR MEASURING TORSIONAL RIGIDITY OF STIFFENED PLATES
NASA-TN-D-2007 N63-18669 17-15

SPACECRAFT REENTRY FLIGHT TESTS FOR DETERMINING PERFORMANCE OF HEAT SHIELDS MADE OF CHARRING ABLATING MATERIAL
N63-18739 17-13

U.S. SPACE PROGRAM SUMMARY
N63-18800 18-01

SPACE RESEARCH REQUIREMENTS - SPACE LABORATORY FOR PROVIDING INFORMATION FOR FUTURE MANNED SPACE FLIGHT
AIAA PAPER-63-131 N63-18836 18-01

ARTIFICIAL RADIATION BELT FORMED BY TRAPPED ELECTRON PARTICLES FROM STARFISH HIGH ALTITUDE NUCLEAR EXPLOSION
NASA-TM-X-50195 N63-18859 18-12

UNMANNED LUNAR EXPLORATION SPACECRAFT - RANGER, SURVEYOR, AND PROSPECTOR PROJECTS
NASA-TM-X-50135 N63-18863 18-29

MARINER II SPACE PROBE - SOLAR ORBIT
N63-18874 18-32

SELECTION OF INSTRUMENTATION AND PERSONNEL FOR MANNED ORBITAL SPACE LABORATORIES
AIAA PAPER-63-135 N63-19059 18-32

AERONAUTICS IN THE SPACE AGE - AERODYNAMICS - MATERIALS AND STRUCTURES - PROPULSION AND ENERGY CONVERSION
N63-19060 18-01

CHRONOLOGY OF ASTRONAUTICAL AND AERONAUTICAL EVENTS OF 1962
N63-19071 18-01

SYNCHRONOUS COMMUNICATION SATELLITE - SECOND SYNCOM SATELLITE LAUNCHING
N63-19137 18-32

NASA TO LAUNCH POLAR ORBIT IONOSPHERE BEACON SATELLITE S-66
N63-19158 18-32

ROLE OF ENGINEERING IN SPACE PROGRAM
N63-19273 18-01

UNITED STATES SPACE PROGRAM - LAUNCH VEHICLES, SATELLITES AND SPACECRAFT
N63-19368 18-01

ORBITING ASTRONOMICAL OBSERVATORY AND ORBITING SOLAR OBSERVATORY - SATELLITE DESIGN, LAUNCHING, INSTRUMENTATION AND OBSERVATION
N63-19369 18-32

FLAME STRENGTH OF PROPANE-OXYGEN FLAMES AT LOW PRESSURES IN TURBULENT FLOW
N63-19392 18-26

GRAVITY DESIGN REQUIREMENTS FOR SPACE STATIONS AND MANNED SPACECRAFT
N63-19492 19-16

PATENT RIGHTS FOR COMMUNICATIONS SATELLITES - NASA POLICY
N63-19592 19-01

STRUCTURAL DYNAMICS PROBLEMS IN SUPPORT OF FUTURE SPACE MISSION
NASA-TN-D-2059 N63-19610 19-34

ELECTROMAGNETISM IN DISTANT GEOMAGNETIC FIELD - MICROSTRUCTURE OF UNSTABLE COLLISIONLESS PLASMA
N63-19619 19-28

SPACE SCIENCES FOR INTERPLANETARY TRAVEL - SPACE RADIATION, SATELLITES AND EXTRATERRESTRIAL LIFE
N63-19621 19-01

LIFE SUPPORT SYSTEM - TEST PROGRAM
N63-19750 19-16

STELLAR SPECTRUM LINES - FORMATION AND INTENSITY
NASA-TT-F-116 N63-19860 19-28

CONFIGURATION INTERACTION IN CARBON ATOM
NASA-TT-F-154 N63-19861 19-23

PHYSICAL CONDITIONS ON MARS - SURFACE AND ATMOSPHERE
NASA-TT-F-165 N63-19862 19-29

COSMIC MINERALOGY - NEW BRANCH OF SCIENCE
NASA-TT-F-170 N63-19863 19-29

ORIGIN OF EARTH CRUST AND MANTLE
NASA-TT-F-171 N63-19864 19-29

EFFECT OF RADIANT HEAT COMPONENT ON HEAT TRANSFER IN VACUUM SUBLIMATION
NASA-TT-F-178 N63-19865 19-13

OPTIMIZATION OF SATELLITE DATA ACQUISITION & TRANSMISSION TECHNIQUES
N63-19902 19-32

PHYSICISTS AND THEIR ROLE IN SPACE EXPLORATION
N63-20000 19-01

SPACECRAFT TRACKING AND DATA ACQUISITION - BAKER-NUNN CAMERA NETWORK, MINITRACK, DEEP SPACE NETWORK AND MANNED SPACE NETWORK
N63-20080 20-08

LITTLE JOE II FLIGHT QUALIFICATION TEST - APOLLO PROJECT
N63-20108 20-31

AEROSPACE TECHNICAL LITERATURE AVAILABILITY
N63-20223 20-01

MISSION CAPABILITIES AND DESIGN DESCRIPTION FOR SATELLITES AND LAUNCH VEHICLES
NASA-TM-X-50173 N63-20242 20-32

UNITED NATIONS AND SPACE RESEARCH
N63-20278 20-29

SPACE RADIATION EFFECTS ON SOLAR CELL POWER SYSTEMS IN SPACECRAFT
NASA-SP-3003 N63-20315 20-06

HEAT TRANSFER WITH LAMINAR FLOW IN CONCENTRIC ANNULI WITH CONSTANT AND VARIABLE WALL TEMPERATURE AND HEAT FLUX
NASA-TN-D-1972 N63-20324 20-13

TWO-PLATE ELECTRO-OPTIC CRYSTAL LIGHT MODULATOR
NASA-TT-F-101 N63-20428 20-23

PASSIVE REFLECTOR COMMUNICATION SATELLITE WITH LAMBERTIAN ECHO SURFACE

NASA-TN-D-1841 N63-20601 20-32

WAVE FUNCTION OF MULTIVALENT ATOM FROM LINEAR DETERMINANTS FORMULATED FROM LAPLACE THEOREM
NASA-TT-F-153 N63-20610 20-23

EXOBIOLOGY - LIFE UNDER COSMIC CONDITIONS
NASA-TT-F-166 N63-20611 20-16

DEPOSITION OF VACUUM COATINGS BY ELECTRON BOMBARDMENT
NASA-TT-F-185 N63-20612 20-17

PHYSIOLOGICAL EFFECT OF SPACE FLIGHT ON HUMAN BODY
NASA-TT-F-186 N63-20613 20-16

MANNED SPACEFLIGHT - RESULTS OF RECENT EXPLORATION
N63-20647 20-32

PERFORMANCE CHARACTERISTICS OF VORTEX TYPE MAGNETOHYDRODYNAMIC INDUCTION GENERATOR
NASA-TN-D-2006 N63-20891 21-24

RELATIONSHIPS BETWEEN HUMAN ABILITY TO ENDURE PAIN & PERSONALITY, & SENSORY DEPRIVATION
NASA-TN-D-2113 N63-20892 21-17

ACCOMPLISHMENTS AND GOALS OF U.S. NATIONAL SPACE PROGRAM N63-20929 21-29

DETECTORS AND TECHNIQUES USED IN SEARCH FOR EXTRATERRESTRIAL LIFE N63-20935 21-16

IMPORTANCE OF SPACE PROGRAM - ECONOMIC RETURNS IN EXPLORATION, SCIENCE, & TECHNOLOGY
NASA-TM-X-50290 N63-21051 21-29

CONFERENCES ON SPACE-AGE PLANNING AND ON PEACEFUL USES OF SPACE - NASA PROGRAM
NASA-SP-40 N63-21126 21-01

NASA PROGRAM FOR EXPLORATION OF SPACE
N63-21127 21-32

RESULTS OF SCIENTIFIC SATELLITES LAUNCHED BY NASA PROGRAM N63-21128 21-32

SPACE SCIENCE - LUNAR AND PLANETARY EXPLORATION - NASA PROGRAM N63-21129 21-32

MANNED SPACEFLIGHT PROGRAM OF NASA
N63-21130 21-29

LARGE LAUNCH VEHICLES IN MANNED SPACE PROGRAM - NASA PROGRAM N63-21132 21-30

HUMAN FACTOR IN MANNED SPACE FLIGHT - NASA PROGRAM
N63-21133 21-14

RESEARCH BASIS FOR FUTURE NASA SPACE PROGRAMS
N63-21134 21-01

COMMUNICATION, METEOROLOGICAL, AND FUTURE APPLICATIONS SATELLITES - NASA PROGRAM
N63-21135 21-08

UNMANNED INSTRUMENTED SPACECRAFT FOR EXPLORATION OF SOLAR SYSTEM - NASA PROGRAM
N63-21136 21-32

INTERNATIONAL COOPERATION IN SPACE EXPLORATION - NASA PROGRAM N63-21137 21-01

SPACE TECHNOLOGY AND ITS POTENTIAL FROM INDUSTRIALISTS VIEWPOINT - NASA PROGRAM
N63-21144 21-01

NASA PROGRAM OF INDUSTRIAL APPLICATIONS
N63-21145 21-01

NASA SELECTION AND MANAGEMENT OF PROGRAMS
N63-21148 21-01

NASA PROCUREMENT POLICIES FOR CONTRACTORS
N63-21153 21-01

NUCLEAR PROPULSION - AN EMERGING TECHNOLOGY - NASA PROGRAM
N63-21155 21-27

IONOSPHERIC CURRENT - WIND SHEAR IN E-REGION
NASA-TN-D-2114 N63-21272 21-12

NEED FOR MANNED SPACECRAFT ON & AROUND MOON, IN INTERPLANETARY SPACE, & ON PLANETS
NASA-AL-C-4063 N63-21273 21-29

TIROS OPERATIONAL SATELLITE SYSTEM - TIROS I AND TIROS II - TRANSMISSION OF USEFUL METEOROLOGICAL INFORMATION N63-21274 21-21

TIROS & NIMBUS METEOROLOGICAL SATELLITE SYSTEMS - DATA ACQUISITION & RECORDING
NASA-AL-D-4-63 N63-21336 21-32

ATMOSPHERIC COMPOSITION & STRUCTURE ABOVE 100-KM - METEOROLOGICAL RESEARCH USING SATELLITES
NASA-TT-F-115 N63-21392 22-21

CONTRIBUTIONS OF AEROSPACE RESEARCH TO BUSINESS ECONOMY N63-21428 22-01

QUALITY PROGRAM EVALUATION PROCEDURES FOR PROBLEM IDENTIFICATION AND RELIABILITY AND SAFETY NEED OF MANNED SPACE FLIGHT SYSTEMS
NASA-SP-6003 N63-21435 22-20

SPACE SCIENCE PROGRAM - RELATION TO EDUCATION AND PHYSICS TEACHING
NASA-EP-12 N63-21456 22-29

SPACE EXPLORATION WITH SCIENTIFIC PROBES - MARINER R-2 VENUS PROBE
NASA-TM-X-50312 N63-21911 22-29

RELIABILITY PROGRAM EVALUATION PROCEDURES FOR MANNED SPACE FLIGHT PROGRAMS
NASA-SP-6002 N63-21912 22-32

AUTOMATED SATELLITES OF UNITED STATES
N63-21922 22-32

NASA HISTORICAL ORIGINS AND PROGRAM
N63-21927 22-01

NASA SUPPORT FOR MERCURY PROJECT
N63-21953 22-01

NASA SPACECRAFT DECONTAMINATION PROCEDURE
N63-21989 22-29

THIRD TIROS GROUND STATION OPERATIONS - COMMAND AND DATA ACQUISITION STATION /CDA/
N63-21990 22-21

TRANSMISSION OF U.N. GENERAL ASSEMBLY OPENING BY RELAY I AND SYNCOM II VIA TELEVISION AND RADIO
N63-21991 22-08

INTERNATIONAL COOPERATIVE SPACE PROGRAM
N63-22011 22-01

ELECTRONIC EQUIPMENT REQUIREMENTS AND OPERATION IN SPACE ENVIRONMENT N63-22012 22-09

NASA PROGRAM ON TRACKING AND DATA ACQUISITION FOR MANNED SATELLITE N63-22013 22-08

UNIVERSITY ROLE IN SPACE PROGRAMS - NEED FOR EDUCATION N63-22014 22-01

PICTORIAL REVIEW OF FIRST FIVE YEARS OF AMERICA IN SPACE
NASA-EP-14 N63-22033 22-29

PLASMA IN INTERPLANETARY SPACE - SPATIAL AND TEMPORAL DISTRIBUTION AND PLASMA DYNAMICS
NASA-TN-D-1901 N63-22113 22-29

MANNED SPACE FLIGHT - SUMMARY
N63-22118 22-29

COMMERCIAL AIR TRANSPORT DEVELOPMENT - HELICOPTERS V/STOL AIRCRAFT, & SUPERSONIC TRANSPORTS
NASA-TM-X-50303 N63-22168 23-04

AEROELASTICITY & VIBRATION TESTING
NASA-TT-F-81 N63-22264 23-01

CALCULATION METHOD FOR SOLVING AERDELASTIC PROBLEMS FOR STUB WINGS AND ENTIRE AIRCRAFT
N63-22265 23-03

FLUTTER CALCULATIONS WITH MANY DEGREES OF FREEDOM FOR MODERN AIRCRAFT DESIGNS
MP-146 N63-22266 23-02

RATIONAL USE FOR FLUTTER CALCULATION VALUES FOUND BY STATIC-VIBRATION TESTING N63-22267 23-33

VARIOUS CALCULATIONS OF FLUTTER FOR AILERONS WITH HYDRAULIC SERVO-CONTROL MECHANISMS
N63-22268 23-02

NONSTEADY AERODYNAMIC FORCE CALCULATIONS USING ELECTRIC ANALOGY N63-22269 23-02

STATIC VIBRATION TESTS OF SAILPLANES WITH ELECTRONIC MEASURING APPARATUS
N63-22270 23-04

ENGINEERING CHALLENGE IN SPACE SCIENCES
N63-22273 23-29

INTERPLANETARY DUST DISTRIBUTION MEASUREMENT
N63-22450 23-29

RARE-EARTH ELEMENT DIFFERENTIATION IN MAGMATIC PROCESS - ALKALINE INTRUSIONS AND GEOCHEMISTRY
NASA-TT-F-179 N63-22602 23-12

TWO-CENTER TWO-ELECTRON HYBRID INTEGRALS ARISING FROM ATOMIC ORBITALS
NASA-TN-D-146-III/A/ N63-22705 23-23

TWO-CENTER TWO-ELECTRON HYBRID INTEGRALS ARISING FROM ATOMIC ORBITALS
NASA-TN-D-146-III/B/ N63-22706 23-23

TWO-CENTER TWO-ELECTRON HYBRID INTEGRALS ARISING FROM ATOMIC ORBITALS
NASA-TN-D-146-III/C/ N63-22707 23-23

BIBLIOGRAPHY - CHILDRENS BOOKS ON AERONAUTICS AND SPACE SCIENCES N63-22805 23-29

PHYSIOLOGY OF INTRACRANIAL BLOOD CIRCULATION AND CLINICAL IMPLICATIONS
NASA-TT-F-156 N63-22863 23-16

REASONS FOR & ECONOMICS OF LUNAR LANDING PROGRAM
NASA-RP-38 N63-22931 23-29

THEORY OF JET ATOMIZATION
NASA-TT-F-129 N63-22948 23-02

LITERATURE SURVEY ON THEORY OF FLEXIBLE PLATES AND SHELLS
NASA-TT-F-180 N63-22949 23-23

STEROIDS & CATECHOLAMINE IN HUMAN WASTE AFTER FLIGHT STRESS - EFFECT OF VESTIBULAR ORGANS ON EXCRETORY CONTENT
NASA-CR-50501 N63-23010 24-16

U.S. SPACE PROGRAM - NASA CONTRIBUTION TO KNOWLEDGE OF ATMOSPHERIC COMPOSITION
NASA-TM-X-50963 N63-23020 24-29

METEOROID HAZARDS IN SPACE EXPLORATION
NASA-TN-D-1839 N63-23124 24-29

MATERIALS-RESEARCH AREAS OF IMPORTANCE TO MISSILE AND SPACECRAFT STRUCTURE
NASA-TN-D-2125 N63-23126 24-34

SYSTEMS ENGINEERING FOR MANNED SPACE FLIGHT
N63-23202 24-32

REQUIREMENTS FOR FUTURE MANNED SPACE FLIGHT COMMUNICATIONS N63-23205 24-32

FUTURE OF LARGE LAUNCH VEHICLES
N63-23208 24-32

METEOROID SATELLITE, EXPLORER XVI, DATA TRANSMISSION & RESULTS N63-23359 24-32

MISSION AND DESIGN CONSIDERATIONS OF THE AERONOMY SATELLITE S-6 N63-23414 24-32

NITROGEN PLASMA AFTERGLOW - MICROWAVE TRANSMISSION AND MICROWAVE CAVITY MEASUREMENTS
NASA-TN-D-2226 N63-23653 24-24

HYDROGEN-OXYGEN PROPULSION SYSTEMS TECHNOLOGY
AIAA PAPER 63-475 N63-23749 24-27

ABORT TEST OF APOLLO SPACECRAFT LAUNCH ESCAPE SYSTEM N63-23754 24-30

LOWEST MEASURED TEMPERATURE IN EARTHS ATMOSPHERE RECORDED BY SOUNDING ROCKET N63-23755 24-12

INTERPLANETARY MONITORING PLATFORM-A /IMP-A/ TO MEASURE CHARGED PARTICLE RADIATION
N63-23821 24-32

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. AMES RESEARCH CENTER, MOFFETT FIELD, CALIF.

PILOTS ABILITY TO CONTROL DURING SIMULATED STABILITY AUGMENTER FAILURES
NASA-TN-D-1552 N63-10181 01-14

HELIUM FILM COOLING ON A HEMISPHERE AT SUPERSONIC SPEED
NASA-TN-D-1550 N63-10207 01-13

SHOCK WAVE PROFILES OF ELLIPSOIDAL-NOSED BODIES IN SUPERSONIC FLOW N63-10492 01-02

THEOREMS FOR CHANGE OF VOLUME AND MOMENTS OF VOLUME OF ELASTIC TANKS SUBJECT TO ARBITRARY INTERNAL PRESSURES N63-10497 01-20

THREE-POINT BOUNDARY-VALUE PROBLEM FOR THE BLASIUS EQUATION N63-10612 02-11

INITIAL WEIGHT LOSS OF PLASTICS IN A VACUUM
NASA-TN-D-1329 N63-10625 02-19

LOCAL PRESSURE DISTRIBUTION ON A BLUNT DELTA WING
NASA-TN-D-1554 N63-10800 02-03

DRAG AND STATIC STABILITY FOR A BLUNT-NOSED 10-DEG HALF-ANGLE CONE IN HYPERSONIC FREE-FLIGHT
NASA-TM-X-507 N63-11132 03-02

CONFINEMENT STUDY OF A MINIMUM SIZE SPACE CABIN SIMULATOR FOR THE LUNAR MISSION
ARS PAPER-2644-62 N63-11261 03-16

INFLUENCE OF DRAG DURING BOOST ON ROCKET VEHICLE PERFORMANCE N63-11462 03-02

AERODYNAMIC CHARACTERISTICS IN GROUND EFFECT OF A LARGE SCALE MODEL
NASA-TN-D-1557 N63-11617 04-02

PRELIMINARY EXPLORER XII DATA ON PROTONS BELOW 20 KEV - THEORY OF SOLAR PROTON ENERGY TRANSITION AT INTERPLANETARY SPACE-GEOMAGNETIC FIELD INTERFACE
N63-12053 05-32

INTERPLANETARY MAGNETIC FIELDS - MARINER II OBSERVATIONS N63-12082 05-32

HEMISPHERICAL EMITTANCE OF METALLIC SPECIMENS DUE TO SPUTTERING WITH HYDROGEN IONS
NASA-TN-D-1646 N63-12214 05-23

FOUR-PROPELLER STOL TRANSPORT AIRCRAFT WITH BOUNDARY LAYER CONTROL ON HIGHLY DEFLECTED FLAPS
NASA-TN-D-1647 N63-12247 05-04

SPUTTERING OF COPPER BY NITROGEN IONS AS FUNCTION OF PRESSURE AND TEMPERATURE N63-12261 05-18

WIND TUNNEL INVESTIGATION OF WINGLESS VERTICAL TAKEOFF AND LANDING AIRCRAFT
NASA-TN-D-1335 N63-12489 06-02

TRACKING PERFORMANCE OF F-86D AIRCRAFT WITH RADAR FIRE-CONTROL SYSTEM
NACA-RM-A57J01 N63-12503 06-04

EFFECTS OF MANUAL ATTACK-DISPLAY NOISE FILTERING

N PILOT TRACKING PERFORMANCE
ACA-RM-A58E21 N63-12504 06-08

PPROXIMATE SOLUTION FOR FLOW ABOUT FLAT-TOP WING ODY CONFIGURATION AT SUPERSONIC SPEEDS
ACA-RM-A58F02 N63-12505 06-02

ROPORTIONAL NAVIGATION GUIDANCE SYSTEMS - RADAR NTENNA POSITIONING EFFECTS ON SPEED OF RESPONSE
ACA-RM-A52E27 N63-12539 06-22

OMPARISON OF HEAT TRANSFER RATES TO BLUNT BODIES F REVOLUTION & EVALUATION OF EFFECTS OF BODY-NOSE EOMETRY ON HEAT TRANSFER RATES
ASA-TM-X-391 N63-12561 06-02

MES ATMOSPHERE ENTRY SIMULATOR AND ITS USE IN ETERMINING CHARACTERISTICS OF ETHYL CELLULOSE AS BLATIVE HEAT SHIELD FOR BALLISTIC MISSILES
ASA-TM-X-394 N63-12562 06-10

LIGHT EVALUATION OF LUNAR LANDING TRAJECTORIES SING JET VTOL TEST VEHICLE
ASA-TN-D-1649 N63-12593 06-29

-FUNCTION SOLUTIONS FOR MOTION AND HEATING DURING TMOSPHERE ENTRY FROM EQUATORIAL ORBITS OF OTATING PLANETS
ASA-TN-D-1555 N63-12686 06-29

TATIC AERODYNAMIC CHARACTERISTICS OF SHORT BLUNT 0-DEG SEMIVERTEX ANGLE CONE IN HELIUM AT UPERSONIC SPEED
ASA-TN-D-1648 N63-12701 06-02

ELTA WING CONFIGURATION FOR SUPERSONIC RANSPORT AIRCRAFT
AS PAPER-63-5 N63-12883 07-04

ERODYNAMIC CHARACTERISTICS OF AIRCRAFT WITH IFTING-FAN PROPULSION SYSTEM FOR V/STOL - FULL CALE WIND TUNNEL
AS PAPER-63-27 N63-12889 07-04

HOCK-LAYER RADIATION OF BLUNT BODIES TRAVELING AT UNAR RETURN ENTRY VELOCITIES
AS PAPER-63-41 N63-12891 07-13

PACECRAFT GUIDANCE AND CONTROL DURING REENTRY
AS-PAPER-63-86 N63-12902 07-22

ERFORMANCE AND STATIC STABILITY OF SUPERSONIC IRCRAFT CONFIGURATION WITH LIFT INTERFERENCE
ASA-MEMO-1-8-59A N63-12912 07-02

UNAR ORIGIN OF TEKTITES - AERODYNAMIC HEATING
ASA-TN-D-1556 N63-12929 07-29

NSTEADY DIFFUSION WITH RECOMBINATION IN TERNARY IXTURE OF DIATOMIC MOLECULES, DISSOCIATED ATOMS, ND AN INERT GAS
ASA-TN-D-1651 N63-12930 07-11

AGNETIC FIELD OF LINE CURRENT IN TRANSVERSE AREFIED PLASMA STREAM
ASA-TN-D-1551 N63-12949 07-24

FFECTS OF WING-CRANK, LEADING-EDGE CHORD XTENSIONS & HORIZONTAL-TAIL HEIGHT ON ONGITUDINAL STABILITY OF SWEPT-WING MODELS
ASA-TM-X-92 N63-12980 07-02

ERODYNAMIC CHARACTERISTICS OF AIRCRAFT WITH DISK-OADING FANS MOUNTED IN WINGS
ASA-TN-D-1650 N63-13100 07-03

OW SPEED AERODYNAMIC CHARACTERISTICS OF SWEPT-ING AIRCRAFT WITH BLOWING FLAPS AND LEADING-EDGE LATS
ACA-RM-A57D11 N63-13107 07-04

ERODYNAMIC CHARACTERISTICS OF RECTANGULAR LANFORM, ALL-MOVABLE CONTROLS COMBINED WITH LENDER BODY OF REVOLUTION AT MACH 3 TO 6.25
ACA-RM-A55J07 N63-13114 07-03

IND TUNNEL TESTS OF CIRCULAR PLANFORM AIRCRAFT ITH PERIPHERAL JET FOR LIFT, THRUST, AND CONTROL
ASA-TN-D-1432 N63-13180 07-04

AERODYNAMIC CHARACTERISTICS OF LATERAL CONTROL WITH ROTATABLE AIRFOILS AND SWEPTBACK WING
NASA-MEMO-6-9-59A N63-13216 07-03

THERMODYNAMICS OF CARBON DIOXIDE AND NITROGEN BEHIND NORMAL SHOCK WAVE
NASA-TN-D-1553 N63-13217 07-23

WIND-TUNNEL TESTS OF TWO VTOL PROPELLERS IN DESCENT N63-13221 07-03

CRITICAL INCLINATION PROBLEM IN SATELLITE ORBIT THEORY
NASA-TR-R-148 N63-13723 08-29

SUBSONIC AND SUPERSONIC WIND TUNNEL STUDY OF LOW ASPECT RATIO SWEPTBACK WING TAILLESS FIGHTER AIRCRAFT MODEL/STABILITY AND CONTROL
NACA-RM-A52J30 N63-13864 09-04

AERODYNAMIC HEATING OF SWEPTBACK WING LEADING EDGE
NACA-RM-A57K21 N63-13877 09-13

AERODYNAMIC CHARACTERISTICS OF MISSILES WITH VERY LOW ASPECT RATIO
NACA-RM-A55L13B N63-13881 09-04

EFFECT OF BOUNDARY LAYER REMOVAL ON TOTAL PRESSURE RECOVERY - CIRCULAR INTERNAL COMPRESSION INLETS WITH TRANSLATING CENTERBODIES
NASA-MEMO-2-19-59A N63-13883 09-02

WIND TUNNEL TESTS TO IMPROVE STATIC DIRECTIONAL STABILITY OF UNSWEPT-WING AIRCRAFT AT MACH 0.8-2.2
NASA-MEMO-10-4-58A N63-13884 09-03

SUBSONIC AERODYNAMICS OF SEVERAL BLUNT, LIFTING, ATMOSPHERIC-ENTRY SHAPES
NASA-MEMO-12-24-58A N63-13889 09-02

TRANSONIC STATIC AERODYNAMIC CHARACTERISTICS OF BLUNT CONE CYLINDER BODY WITH FLARED AFTERBODIES OF VARIOUS ANGLES AND BASE AREAS
NASA-TM-X-106 N63-13892 09-02

INVESTIGATION IN ATMOSPHERE ENTRY SIMULATOR OF NYLON AS ABLATIVE MATERIAL FOR BALLISTIC MISSILES
NASA-TM-X-114 N63-13893 09-19

INLETS HAVING TRANSLATABLE CENTERBODIES AND PROVISION FOR BOUNDARY LAYER REMOVAL
NASA-TM-X-156 N63-13895 09-02

WIND TUNNEL TESTS OF BLUNT REENTRY VEHICLE WITH RETRACTABLE WINGS
NASA-TM-X-398 N63-13904 09-32

AERODYNAMICS OF DISK REENTRY CONFIGURATIONS, FOR MANNED SPACE FLIGHT, WITH ELLIPTIC CROSS SECTIONS AND THICKNESS DIAMETER RATIOS OF 0.225 AND 0.325
NASA-TM-X-566 N63-13913 09-32

AERODYNAMIC CHARACTERISTICS OF BLUNT DELTA CONFIGURATIONS WITH 75 DEG SWEEPBACK AND VARYING THICKNESS DISTRIBUTIONS AT SUBSONIC SPEEDS
NASA-TM-X-581 N63-13914 09-32

EMERGENCY NAVIGATION PROCEDURE WITH MIDCOURSE CORRECTIONS FOR SPACE VEHICLES IN RETURNING FROM THE MOON
NASA-TN-D-1765 N63-14028 09-22

AERODYNAMIC DAMPING MOMENTS OF CONES WITH DIFFERENT CENTERS OF ROTATION
NASA-TN-D-1768 N63-14029 09-02

SIGHTING PROBLEMS ASSOCIATED WITH SEXTANT TYPE MEASUREMENT OF STAR POSITION FOR SPACE NAVIGATION
NASA-TN-D-1653 N63-14444 10-22

EFFECT OF FIELD OF VIEW AND ORIENTATION ON TIME REQUIRED FOR STAR FIELD IDENTIFICATION - PATTERN RECOGNITION N63-14445 10-22

ACCURACY OF MANUAL OPTICAL THEODOLITE SIGHTING OF THE CENTER OF A PLANETARY DISK N63-14446 10-22

FRAGMENTS EJECTED FROM LUNAR SURFACE BY METEOROID

IMPACT ANALYZED ON BASIS OF STUDIES OF HYPERVELOCITY IMPACT IN ROCK AND SAND
NASA-TN-D-1767 N63-14587 10-29

FLOW VISUALIZATION TECHNIQUES IN HELIUM AT MACH 15 & 20 - SURFACE STREAMLINES, ATTACHED AND SEPARATED AFTERBODY FLOW & STAGNATION POINTS
NASA-TN-D-1769 N63-14588 10-02

DISK SHAPED REENTRY BODY AT TRANSONIC AND LOW SUPERSONIC SPEEDS
NASA-TM-X-652 N63-14681 10-02

WIND TUNNEL STUDIES OF VTOL AIRCRAFT - PROPULSIVE EFFICIENCY & FLIGHT PERFORMANCE OF AIRCRAFT WITH PROPELLERS, DUCTED FANS, AND ROTORS
N63-14686 10-04

WIND TUNNEL TEST OF FAN-IN-FUSELAGE MODEL OF VTOL AIRCRAFT N63-14688 10-04

CHARACTERISTICS WHICH HAVE SIGNIFICANT EFFECT ON TRANSITION PERFORMANCE OF V/STOL AIRCRAFT - POWER EFFICIENCY, VELOCITY PROFILE, DESIGN, WING PROFILE
N63-14692 10-04

EFFECT OF GROUND PROXIMITY, WING-STALL PHENOMENA, PITCHING MOMENTS, AND POWER REQUIREMENTS ON VTOL AIRCRAFT N63-14694 10-04

DEFLECTED-JET VTOL AIRCRAFT CHARACTERISTICS - BELL X-14 AIRCRAFT N63-14695 10-04

EFFECT OF BLADE FLAPPING ON DYNAMIC STABILITY OF TILTING-ROTOR CONVERTIPLANE - BELL XV-3 AIRCRAFT
N63-14696 10-04

V/STOL AIRCRAFT HANDLING AND CONTROL CRITERIA - LONGITUDINAL, LATERAL, DIRECTIONAL STABILITY AND CONTROL IN TRANSITION N63-14697 10-04

ATTITUDE CONTROL REQUIREMENTS FOR HOVERING VTOL AIRCRAFT UTILIZING AMES PILOTED SIMULATOR
N63-14699 10-04

CONTROL PROBLEMS IN VTOL AIRCRAFT FLIGHT AND PILOTED SIMULATOR USE N63-14700 10-04

OPERATING PROBLEMS OF V/STOL LANDING AND APPROACH
N63-14702 10-04

STABILITY AND CONTROL OF FLAT SURFACE WING-FUSELAGE COMBINATION AT SUBSONIC SPEED - EFFECT OF WING LEADING EDGE SWEEPBACK
NASA-MEMO-3-5-59A N63-14755 11-02

CHARACTERISTICS OF MARS AND VENUS ATMOSPHERE FROM GAS DYNAMICS OF SPACE PROBE VEHICLE
NASA-TN-D-1770 N63-14806 11-29

EFFECT OF VORTEX FLOW ON AERODYNAMIC LOAD, FORCE, AND STABILITY OF SLENDER BODY AIRCRAFT
NASA-TR-R-101 N63-14872 11-02

LAMINAR BOUNDARY SEPARATION INDUCED BY CONICAL FLARES ON CYLINDER BODY OF REVOLUTION AT ZERO ANGLE OF ATTACK
NASA-TR-R-146 N63-14972 11-02

PREDICTION OF VELOCITY REQUIREMENTS FOR MINIMUM TIME RESPONSE ABORT TRAJECTORIES FOR MIDCOURSE GUIDANCE OF LUNAR FLIGHT
NASA-TN-D-1655 N63-15052 11-29

COMPUTING APPROXIMATE TRAJECTORIES RETURNING FROM MOON TO EARTH SPECIFIC LANDING SITE
NASA-TN-D-1652 N63-15322 12-29

INERTIAL NAVIGATION ERROR ANALYSIS OF SPACE VEHICLE DURING REENTRY
NASA-TN-D-1772 N63-15473 12-30

SIMULATOR STUDY OF LATERAL-DIRECTIONAL HANDLING QUALITIES OF PROPELLER STOL TRANSPORT AIRPLANE
NASA-TN-D-1773 N63-15526 12-04

HANDLING QUALITIES OF SUPERSONIC TRANSPORTS IN HIGH SPEED CRUISING FLIGHT USING PILOTED SIMULATORS
NASA-TN-D-1888 N63-15563 12-10

AERODYNAMIC CHARACTERISTICS OF FLAPPING AND RIGID PROPELLER BLADES AND CYCLE PITCH CONTROL
NASA-TN-D-1774 N63-15771 13-03

WIND TUNNEL TEST OF GROUND EFFECT OF 35-DEG SWEPT-BACK WING JET TRANSPORT EQUIPPED WITH BOUNDARY LAYER CONTROL, TRAILING & LEADING EDGE FLAPS
NASA-TN-D-1884 N63-15922 13-03

SPACE SCIENCE - SPACE BIOLOGY - SPACE VEHICLE REQUIREMENTS N63-16013 13-16

WING PLANFORM EFFECT ON STATIC LONGITUDINAL AERODYNAMIC CHARACTERISTICS OF FLAT TOP HYPERSONIC AIRCRAFT AT TRANSONIC SPEEDS
NASA-TM-X-364 N63-16138 13-04

FEASIBILITY OF SOLAR PROBES
IAS PAPER-62-21 N63-16268 13-32

VARIATIONAL APPROACH TO CALCULATION OF CHARGE EXCHANGE CROSS SECTIONS FOR ADIABATIC COLLISION
NASA-TN-D-1654 N63-16391 14-24

WIND TUNNEL TESTS OF MEDIUM-WEIGHT UTILITY HELICOPTER AT FORWARD SPEEDS
NASA-TN-D-1887 N63-16430 14-04

EFFECT OF UNIFORM EXTERNAL PRESSURE ON BOUNDARY OF GEOMAGNETIC FIELD IN STEADY SOLAR WIND
N63-17160 15-24

SATELLITE ORIENTATION - STABILITY AND CONTROL
NASA-TN-D-1771 N63-17504 16-32

NONEQUILIBRIUM FLOW FIELD BEHIND NORMAL SHOCK WAVES IN CARBON DIOXIDE
NASA-TN-D-1885 N63-17544 16-07

INTERACTION OF THERMAL RADIATION AND FLUID FLOW IN ACOUSTIC APPROXIMATION
NASA-TR R-138 N63-17551 16-11

EFFECT OF GAS INJECTION ON AERODYNAMIC STABILITY OF SLENDER CONES AT HYPERSONIC SPEEDS
N63-17906 16-02

WIND TUNNEL INVESTIGATION OF STATIC AND DYNAMIC-ROTARY STABILITY DERIVATIVES OF FLAT-TOP WING BODY
NASA-TM-X-361 N63-17989 16-02

MEASUREMENT OF HEAT TRANSFER TO BODIES OF REVOLUTION IN FREE FLIGHT WITH CATCHER CALORIMETER
NASA-TN-D-1890 N63-18162 16-13

INFLUENCE OF LOW HEATING RATE ON INSULATION EFFECTIVENESS OF THIN SECTIONS OF TYPICAL COMPOSITE ABLATIVE MATERIALS
NASA-TN-D-1889 N63-18466 17-23

WIND TUNNEL TESTS OF HEAT TRANSFER TO SHARP AND BLUNT CONES WITH CAVITIES TO PROMOTE BOUNDARY LAYER SEPARATION
NASA-TN-D-1975 N63-18470 17-13

INTERACTION BETWEEN A NEUTRAL STREAM OF IONIZED SOLAR CORPUSCLES WITH THE MAGNETIC DIPOLE FIELD OF EARTH
NASA-TR-R-120 N63-18472 17-12

FLIGHT CHARACTERISTICS OF DEFLECTED SLIPSTREAM V/STOL AIRCRAFT
NASA-TN-D-1891 N63-18663 17-04

AERODYNAMIC EVIDENCE OF ENTRY AND ABLATION OF TEKTITES IN EARTH ATMOSPHERE
NASA-TR-R-134 N63-18776 18-19

OPERATIONAL ASPECTS OF WEIGHTLESSNESS IN MANNED SPACE FLIGHT N63-19493 19-16

THERMAL RADIATION FROM HOT GASES - SIMULATED ATMOSPHERES OF MARS AND VENUS
AIAA PAPER-63-455 N63-20136 20-28

ABLATION OF CHARRING MATERIAL BY HIGH VELOCITY HEATED GAS OF DIFFERENT COMPOSITIONS - CHEMICAL

EACTIONS
IAA PAPER 63-465 N63-20322 20-13

ROBLEMS IN COMPUTING TRANSITION MATRICES OF LUNAR
RAJECTORIES
IAA PAPER-63-400 N63-20494 20-29

IND TUNNEL TESTS OF WINGLESS LOW ASPECT RATIO
OLDING CONTROL MISSILE CONFIGURATIONS
ACA-RM-A58F30 N63-20532 20-02

TATIC & DYNAMIC STABILITY OF MERCURY REENTRY
APSULE SCALE MODELS AT MACH 3 & 9.5
ASA-TM-X-373 N63-20535 20-32

HERMAL RADIATION OF AIR FROM STAGNATION REGION OF
LUNT BODIES AT HYPERSONIC SPEED
ASA-TM-X-508 N63-20536 20-13

FFECTS OF TRANSVERSE BARYCENTER DISPLACEMENT,
ONICAL AFTERBODY, CURVED FRONT FACE ON MERCURY
APSULE SUPERSONIC AERODYNAMIC CHARACTERISTICS
ASA-TM-X-569 N63-20540 20-03

ONGITUDINAL AERODYNAMIC CHARACTERISTICS OF BLUNT,
IFTING REENTRY VEHICLE AT MACH 0.92
ASA-TM-X-571 N63-20541 20-02

HERMAL RADIATION FROM ABLATING PLASTIC MATERIALS
NJECTED INTO HYPERSONIC SHOCK WAVES
ASA-TN-D-1978 N63-20608 20-13

-RAY IRRADIATION EFFECT ON GLYCOGEN CONTENT OF
AT BRAIN N63-20618 20-16

RC DISCHARGE THROUGH SUPERSONIC GAS FLOW IN A
OZZLE
IAA PAPER-63-380 N63-20644 20-11

CHIFFS EQUATION FOR CHARGES AND CURRENTS IN
OTATING MATTER N63-20796 21-23

EASIBILITY OF MICROMETEOROID VELOCITY DETECTOR
ASA-TN-D-1977 N63-21271 21-12

MPACT CRATERS OF HYPERVELOCITY AND HIGH VELOCITY
ROJECTILES WITH ROCK AND METAL TARGETS AND FLUID
MPACT CRATERS PRODUCED BY WATER DROPS ON WATER
ASA-CR-51340 N63-21327 21-33

REDICTION OF EFFECT OF THERMAL RADIATION ON
TRUCTURE OF SHOCK WAVES
ASA-RP-24 N63-21330 21-11

AREFIED GAS DYNAMICS - ARC HEATER OPERATING
ONDITIONS AND GAS STREAM IN ARC HEATED,
OW DENSITY WIND TUNNEL N63-21609 22-11

ORCE COMPONENTS OF ION BOMBARDMENT OF COPPER &
LUMINUM FLAT PLATES
ASA-TN-D-1976 N63-21894 22-18

UNAR ORIGIN OF TEKTITES - ATMOSPHERIC ENTRY
YNAMICS N63-22374 23-29

OMBUSTION TESTS OF OXYGEN-HYDROGEN-HELIUM GAS
IXTURES AT LOADING PRESSURES UP TO 8000-PSI
ASA-TN-D-1892 N63-22598 23-26

TATIC & DYNAMIC BUFFETING OF HAMMERHEAD LAUNCH
EHICLE WITH PAYLOAD DIAMETER GREATER THAN BOOSTER
IAMETER
ASA-TN-D-1982 N63-22600 23-02

OENINE FORMATION FROM METHANE, AMMONIA, & WATER
Y ELECTRON IRRADIATION N63-22606 23-16

OLAR ENERGY CONVERSION USING THIN DIELECTRIC
ILMS N63-22698 23-28

ONLINEAR CLOSED-LOOP CONTROL SYSTEMS WITH
TATIONARY STOCHASTIC INPUTS
ASA-TN-D-2061 N63-22861 23-06

UNAR LANDING & LONG RANGE EARTH REENTRY GUIDANCE
Y SINGLE NOMINAL TRAJECTORY USING PERTURBATION
HEORY N63-23221 24-22

ANUAL ABORT APPARATUS FOR MIDCOURSE REGION OF
LUNAR FLIGHT N63-23229 24-30

TOWARDS AN EMPIRICAL CALCULUS OF REINFORCEMENT
VALUE VIA SWITCHING SYSTEM USING CARNEAUX PIGEONS
N63-23593 24-20

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
FLIGHT RESEARCH CENTER, EDWARDS, CALIF.
THE X-15 FLIGHT CONTROL AND STABILITY SYSTEM
NASA-TN-D-1402 N63-11123 03-04

THE X-15 AIRCRAFT FLIGHT PROGRAM
N63-11158 03-04

USE OF HIGH-PERFORMANCE AIRCRAFT AS FIRST-STAGE
BOOSTER FOR AIR-LAUNCHING SOLID FUEL ROCKET -
OPERATIONAL ASPECTS
NASA-TN-D-1279 N63-12192 05-04

MODIFICATION OF TWIN SIDE-INLET INDUCTION
SYSTEM AND IN-FLIGHT GAINS
NACA-RM-H57J09 N63-12518 06-02

LANDING GEAR BEHAVIOR DURING TOUCHDOWN OF X-15
AIRCRAFT
NASA-TM-X-518 N63-12563 06-04

MEASUREMENTS OF LOADS, ACCELERATIONS, AND
DISPLACEMENTS OF X-15 AIRCRAFT AND LANDING
GEAR DURING LANDING IMPACT
NASA-TM-X-639 N63-12564 06-04

STATIC PRESSURE & STAGNATION PRESSURE CALIBRATION
DATA FOR DEFINING POSITION ERRORS OF AIRSPEED-
ALTITUDE SYSTEMS OF X-15 AIRCRAFT
NASA-TN-D-1724 N63-12951 07-15

EFFECT OF ROUGHNESS ON SKIN DRAG IN FULL SCALE
FLIGHT TEST
NASA-TM-X-36 N63-12977 07-04

ROCKET ENGINE RECORD, X-15 AIRCRAFT, SPEED AND
ALTITUDE OF RESEARCH AIRCRAFT
N63-13571 08-04

LIFT AND DRAG OF SWEPT-WING FIGHTER AIRCRAFT AT
TRANSONIC AND SUPERSONIC SPEEDS
NASA-MEMO-10-1-58H N63-13885 09-04

FLIGHT-DETERMINED STABILITY & CONTROL DERIVATIVES
OF SUPERSONIC AIRCRAFT WITH LOW ASPECT RATIO
UNSWEPT WING & T-TAIL
NASA-MEMO-2-2-59H N63-13886 09-04

UTILIZATION OF DELTA-WING INTERCEPTOR AIRCRAFT IN
EVALUATION OF LOW LIFT-DRAG RATIOS ON APPROACH
AND LANDING
NASA-TM-X-125 N63-13894 09-04

FLIGHT TESTS OF TWIN-DUCT INDUCTION SYSTEM
NASA-TM-X-281 N63-13899 09-02

X-15 AIRCRAFT SKIN AND STRUCTURAL TEMPERATURE
DURING MACH 3.3 FLIGHT
NASA-TM-X-468 N63-13912 09-04

FLIGHT TESTS OF UNPOWERED, MANNED PARAGLIDERS
NASA-TN-D-1826 N63-14429 10-04

X-15 AIRCRAFT WITH INTERIM ENGINES DURING HIGH
ALTITUDE FLYING
NASA-TM-X-514 N63-14767 11-04

STATUS OF X-15 AERODYNAMIC-HEATING STUDIES -
FLIGHT TEST AT MACH 3.1 FOR OBTAINING DATA ON HEAT
TRANSFER AND BOUNDARY LAYER TRANSITION
N63-15312 12-04

TRICYCLE SKID-TYPE LANDING GEAR SYSTEM - EQUATIONS
OF MOTION FOR X-15 VEHICLE SLIDEOUT DYNAMICS
NASA-TN-D-1828 N63-16298 13-30

LIFTING REENTRY OF HYPERSONIC AIRCRAFT - X-15
AIRCRAFT
NASA-TM-X-334 N63-17993 16-04

DROGUE RIBBON PARACHUTE TESTS AT HIGH ALTITUDES
AND LOW SUPERSONIC SPEEDS
NASA-TM-X-448 N63-18039 16-04

BOUNDARY LAYER TRANSITION ON WING BODY AT SUPERSONIC FLOW
NACA-RM-H58E28 N63-18047 16-03

TRAJECTORY REQUIREMENTS FOR TERMINAL LUNAR LANDING FROM ANALOG SIMULATION OF SPACECRAFT
NASA-TN-D-1921 N63-19606 19-29

EFFECT OF X-15 MANUAL FLIGHT CONTROL AND STABILITY SYSTEMS ON HORIZONTAL TAIL LOAD
NASA-TN-D-2090 N63-22117 22-04

X-15 AIRCRAFT PROGRAM N63-23237 24-04

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. GODDARD INST. FOR SPACE STUDIES, NEW YORK, N.Y.

NUCLEAR INSTRUMENTATION IN SPACE N63-10362 01-15

THE MAGNETOSPHERE - DENSITY MEASUREMENTS, ATMOSPHERIC DRAG, TEMPERATURE N63-10568 01-12

ATMOSPHERIC DENSITY CALCULATED FROM THE DRAG OF A SATELLITE IN A CIRCULAR ORBIT N63-10608 02-12

EARLY SOLAR EVOLUTION N63-11415 03-29

COLLAPSE PHASE OF EARLY SOLAR EVOLUTION
NASA-TN-D-1682 N63-12594 06-29

SOLAR ORIGIN OF ATMOSPHERIC AND METEORIC XENON DETERMINED BY ISOTOPIC ANALYSIS
NASA-TN-D-1685 N63-12595 06-29

ROLE OF TURBULENCE IN STAR FORMATION IN ELLIPTICAL GALAXIES N63-12747 06-29

STABILITY OF ROTATING CYLINDRICAL COLUMN OF LIQUID WITH CONCENTRIC SOLID CORE N63-13196 07-11

NEUTRINO PROCESSES IN RED GIANT STELLAR EVOLUTION N63-14782 11-29

SOLAR NEBULA FROM IONIZATION OF INTERSTELLAR GAS - STAR FORMATION N63-15297 12-29

SPHEROIDAL VIBRATIONS OF EARTH AT LONG PERIODS - RIGIDITY OF EARTH CORE N63-17710 16-12

SOLAR ORIGIN OF ATMOSPHERIC XENON - NEUTRON IRRADIATION OF SOLAR XENON N63-18685 17-29

THERMIONIC SCREENING OF BODIES IN ATMOSPHERE AND INTERPLANETARY SPACE
NASA-TM-X-50226 N63-20178 20-13

THERMAL CONVECTION - FLUCTUATIONS IN VELOCITY, TEMPERATURE AND LINEAR STABILITY OF HORIZONTAL SURFACES
NASA-TM-X-50227 N63-20245 20-13

HELMHOLTZ-KELVIN TIME SCALE FOR STARS OF VERY LOW MASS N63-20625 20-05

EVOLUTION OF THE ELEMENTS FROM STARS AND THEIR EJECTION INTO INTERSTELLAR SPACE
NASA-RP-8 N63-20931 21-05

PREDICTION OF HIGH LUMINOSITY AND FULL CONVECTION OF EARLY CONTRACTING SUN
NASA-RP-7 N63-20934 21-05

ANALYTIC EXPRESSION FOR DENSITY DISTRIBUTION IN PLANETARY EXOSPHERE
NASA-RP-15 N63-21075 21-12

COMPUTATION OF LOWER LIMIT OF MASS OF A MAIN SEQUENCE STAR
NASA-RP-13 N63-21099 21-29

CONVECTIVE MODELS FOR STARS OF VERY LOW MASS
NASA-TN-D-1907 N63-22710 23-05

REASONS FOR & ECONOMICS OF LUNAR LANDING PROGRAM
NASA-RP-38 N63-22931 23-29

ELECTRICAL CONDUCTIVITY OF FULLY IONIZED PLASMA I[N] AN ALTERNATING ELECTRIC FIELD
NASA-TM-X-50932 N63-23039 24-[2]

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. GODDARD SPACE FLIGHT CENTER, GREENBELT, MD.

APPLICATION OF THE MODULARIZATION CONCEPT TO SATELLITE TAPE RECORDERS
NASA-TN-D-1451 N63-10176 01-1[1]

TRACKING SYSTEMS, MATHEMATICAL MODELS & ERRORS
NASA-TN-D-1471 N63-10177 01-0[0]

SCANNING MECHANISM FOR A SATELLITE-BORNE X-RAY SPECTROMETER
NASA-TN-D-1097 N63-10204 01-[1]

SOLAR POWER SYSTEM FOR THE ARIEL SATELLITE /UK-1/
ARS PAPER-2498-62 N63-10252 01-0[0]

USE OF A SEALED SILVER CADMIUM BATTERY ON EXPLORER XII
ARS PAPER-2509-62 N63-10258 01-0[0]

BATTERY FOR INTERNATIONAL IONOSPHERE SATELLITE ARIEL I
ARS PAPER-2510-62 N63-10259 01-0[0]

INFLUENCE OF PRECESSION OF EARTH RENDEZVOUS ORBIT[S] ON LUNAR MISSION REQUIREMENTS
NASA-TN-D-1512 N63-10329 01-2[2]

MAGNETIC FIELD OF A MODEL RADIATION BELT
NASA-TN-D-1447 N63-10369 01-2[2]

DEVELOPMENT OF LUNAR AND SOLAR DISTURBING FUNCTIONS FOR A CLOSE SATELLITE
NASA-TN-D-1126 N63-10494 01-2[3]

CALCULATION OF THE ECLIPSE FACTOR FOR ELLIPTICAL SATELLITE ORBITS
NASA-TN-D-1347 N63-10496 01-2[5]

ARTIFICIAL RADIATION BELT PRODUCED BY NUCLEAR EXPLOSION AND COMPOSED PRINCIPALLY OF ELECTRONS N63-10554 01-2[8]

CONTINUOUS ABSORPTION IN SOLAR ATMOSPHERE BY QUASI-HYDROGEN MOLECULE N63-10596 02-0[5]

CALCULATION OF EPHEMERIDES OF PLANETS AND COMETS FROM INITIAL VALUES
NASA-TN-D-1415 N63-10796 02-0[5]

DIFFERENTIAL CORRECTION FOR VINTI ACCURATE INTERMEDIARY ORBIT
NASA-TN-D-1445 N63-10868 02-2[4]

THE BOUNDARY BETWEEN A MAGNETIC FIELD AND A PLASM[A] N63-10897 02-1[2]

A CRITICAL APPRAISAL OF MATERIALS TESTING N63-10930 02-1[7]

BEARINGS FOR VACUUM OPERATION
NASA-TN-D-1339, PHASE I N63-10931 02-1[7]

PERIODIC ORBITS FOR LUNAR PROBES
ARS PAPER-2603-62 N63-11251 03-0[5]

COMMUNICATIONS SATELLITE PROGRAM - ECHO, TELSTAR, RELAY, AND SYNCOM PROJECTS
ARS PAPER-2617-62 N63-11253 03-3[0]

BEARINGS, GEARS, AND LUBRICATION FOR AEROSPACE SYSTEMS
ARS PAPER-2711-62 N63-11278 03-1[7]

VISUAL OBSERVATIONS OF NIGHTGLOW FROM MANNED SPACECRAFT N63-11414 03-1[2]

NIMBUS SPACECRAFT FOR WEATHER ANALYSIS AND FORECASTING N63-11460 03-3[0]

ALTERNATE CONCLUSIONS ON TIME VARIATIONS OF INTENSITY IN THE INNER RADIATION ZONE BASED ON EXPLORER VII DATA N63-11577 04-2[8]

CORRECTION TO SECOND APPROXIMATION CALCULATION OF

GEOMAGNETIC FIELD, SOLAR WIND INTERFACE
N63-11578 04-12

THEORETICAL MODELS FOR THE SOLAR-CYCLE VARIATION OF THE UPPER ATMOSPHERE
N63-11597 04-12

PERFORMANCE OF A SEALED-SILVER CADMIUM BATTERY ON EXPLORER XII
NASA-TN-D-1543 N63-11741 04-06

DIRECT MEASUREMENTS OF COSMIC DUST SHOWERS
NASA-TN-D-1544 N63-12062 05-32

MATHEMATICAL ANALYSIS FOR ORIENTATION AND CONTROL OF ORBITING ASTRONOMICAL OBSERVATORY
NASA-TN-D-1668 N63-12063 05-29

SOLAR COSMIC RAY EVENT - SEPTEMBER 26, 1960
NASA-TN-D-1675 N63-12064 05-28

LAGRANGE THEORY OF THREE-BODY PROBLEM - CELESTIAL MECHANICS
NASA-TN-D-1417 N63-12074 05-05

ANALYTIC REPRESENTATION OF MUSEN THEORY OF SATELLITES IN TERMS OF ORBITAL TRUE LONGITUDE
NASA-TN-D-1468 N63-12075 05-29

NIMBUS SATELLITE AND ITS COMMUNICATION SYSTEM
NASA-TN-D-1422 N63-12125 05-32

IMPEDANCE OF ELECTRICALLY SHORT ANTENNA IN IONOSPHERE
NASA-TN-D-1546 N63-12159 05-12

CERENKOV SCINTILLATION COUNTER MEASUREMENTS OF BERYLLIUM, BORON, CARBON, NITROGEN, OXYGEN IN SUNSPOT COSMIC RADIATION
N63-12179 05-28

SINGLE STATION DOPPLER-INTERFEROMETER ROCKET TRACKING SYSTEM
NASA-TN-D-1344 N63-12488 06-22

MODEL OF THE QUIET IONOSPHERE
NASA-TN-D-1670 N63-12702 06-12

SOLAR RADIATION MONITORING
IAS PAPER-63-2 N63-12880 07-28

SOLAR COSMIC RAYS - PROPAGATION AND ENERGY SPECTRA
IAS PAPER-63-3 N63-12881 07-28

SATELLITE ORBIT COMPUTATION PROGRAM FOR IZSAK SECOND-ORDER SOLUTION OF VINTI DYNAMICAL PROBLEM
NASA-TN-D-1539 N63-12928 07-29

CELESTIAL MECHANICS - PERIODIC ORBITS FOR MOON PROBES
NASA-TN-D-1701 N63-12932 07-29

POWER INPUT TO SMALL FLAT PLATE FROM DIFFUSELY RADIATING SPHERE WITH APPLICATION TO EARTH SATELLITES - SPINNING PLATE
NASA-TN-D-1545 N63-12948 07-06

EARTH-REFLECTED SOLAR RADIATION ON SPHERICAL SATELLITES IN ELLIPTICAL ORBIT
NASA-TN-D-1472 N63-13096 07-28

ENDLESS-LOOP MAGNETIC TAPE RECORDER FOR TIROS SATELLITE
NASA-TN-D-1542 N63-13097 07-08

MAGNETIC CORE VOLTAGE-TO-FREQUENCY CONVERTER
NASA-TN-D-1677 N63-13101 07-09

LOW ENERGY GEOMAGNETICALLY TRAPPED PROTONS - THE ANOMALOUS COMPONENT
NASA-TN-D-1679 N63-13102 07-28

NEUTRONS IN SPACE - FLUX GENERATION AND SOURCES
NASA-TN-D-1696 N63-13103 07-28

SOUTHERN SKY SURVEY - NEBULOSITIES, ULTRAVIOLET FLUXES
NASA-TN-D-1719 N63-13104 07-32

ORBIT CHANGES OF CISLUNAR SATELLITE
N63-13111 07-29

CERAMIC PHOTOIONIZATION CHAMBER FOR OBSERVATIONS IN VACUUM ULTRAVIOLET WAVELENGTH REGION
NASA-TN-D-1715 N63-13220 07-15

LOW-PRESSURE MERCURY ARC FOR ULTRAVIOLET CALIBRATION
N63-13228 07-23

EXCITATION OF ELECTRON PRESSURE WAVE BY ANTENNAS IN THE IONOSPHERE
N63-13264 07-12

VACUUM ULTRAVIOLET ION CHAMBERS, PHOTODETECTORS
N63-13578 08-15

HILL LUNAR THEORY MODIFICATIONS AND COMPUTER APPLICATION FOR SOLUTION OF THREE-BODY PROBLEMS
NASA-TN-D-1540 N63-13713 08-29

REMARKS ON HILL LUNAR THEORY - PART II, DIRECT LUNAR ORBITS AS SOLUTIONS TO DIFFERENTIAL EQUATION
NASA-TN-D-1541 N63-13714 08-29

DELINEATION OF TRACKS OF HEAVY COSMIC RAYS AND NUCLEAR PROCESSES WITH IN LARGE SILVER CHLORIDE CRYSTALS
NASA-TN-D-1547 N63-13715 08-28

THICKNESS OF HELIUM ION LAYER IN UPPER IONOSPHERE
NASA-TN-D-1686 N63-13719 08-12

TEMPERATURE AND WIND MEASUREMENTS ABOVE 50-KM OVER WALLOPS ISLAND, VIRGINIA
NASA-TN-D-1694 N63-13720 08-12

NIKE-APACHE SOUNDING ROCKET PERFORMANCE HANDBOOK
NASA-TN-D-1699 N63-13721 08-04

ELECTRON ENERGY SPECTRUM IN OUTER RADIATION BELT - IONIZATION ENERGY LOSS, MULTIPLE AND ELECTRON SCATTERING
NASA-TN-D-1717 N63-13722 08-28

SPECTROSCOPIC OBSERVATIONS OF DISTANT COMET TAILS, OSTERBROCK ORIENTATION & CURVATURE, BESSEL-BREDICHIN THEORY
NASA-TN-D-1671 N63-13794 09-05

DETECTOR FOR LOW ENERGY GAMMA RAY ASTRONOMY EXPERIMENTS
NASA-TN-D-1693 N63-13795 09-15

MAGNETIC FIELD OF LOW ENERGY PROTON BELT REVEALED BY EXPLORER XII MEASUREMENTS AND CALCULATIONS FROM SIMULATED CONDITION
NASA-TN-D-1674 N63-13821 09-12

TOPSIDE SOUNDINGS OF IONOSPHERE
NASA-TN-D-1538 N63-13838 09-12

FREE OSCILLATIONS OF THE EARTH - RESONANT FREQUENCY - PERTURBATIONS
NASA-TR-R-136 N63-13859 09-12

ELECTRON DENSITY DISTRIBUTION IN UPPER F-REGION
NASA-TN-D-1751 N63-14027 09-12

TRANSPORT PROPERTIES OF POLAR SEMICONDUCTORS WITH EMPHASIS ON LEAD TELLURIDE - USE IN THERMOELECTRIC POWER GENERATION
NASA-TN-D-1695 N63-14276 10-15

OPTICAL AND THERMAL METHODS OF MEASURING SOLAR ABSORPTANCE AND THERMAL EMITTANCE - THERMAL VACUUM TECHNIQUE TESTED FOR SPACECRAFT COATINGS
NASA-TN-D-1716 N63-14277 10-15

EXPLORER XII ION-ELECTRON DETECTION IN MAGNETIC STORM SUDDEN COMMENCEMENT ON SEPT 30 1961 - 0.1 TO 5 MEV PROTONS & 20 KEV ELECTRONS AT 12 EARTH RADII
NASA-TN-D-1700 N63-14293 10-28

STRETCH YO-YO THEORY AND SATELLITE SPIN REDUCTION
NASA-TN-D-1676 N63-14404 10-29

LOW FREQUENCY POWER SPECTRUM OF COSMIC-RAY VARIATIONS DURING IGY
NASA-TN-D-1684 N63-14426 10-28

MICROMETEORITE PENETRATION EXPERIMENT ON EXPLORER VII SATELLITE - 1959 IOTA

NASA-TN-D-1722 N63-14428 10-32

UTILIZATION OF RADIOMETER FLOWN IN TIROS III SATELLITE IN VIEWING HURRICANE ANNA, 1961
NASA-TN-D-1713 N63-14586 10-21

SURVEY OF LARGE SPACE CHAMBERS - VACUUM CHAMBERS TO SIMULATE SPACE ENVIRONMENT
NASA-TN-D-1673 N63-14626 10-30

ARTIFICIAL RADIATION BELT FORMED BY HIGH ALTITUDE NUCLEAR EXPLOSION OVER JOHNSON ISLAND
NASA-TN-D-1687 N63-14714 10-28

PORTABLE INTEGRATING SPHERE FOR MONITORING SOLAR REFLECTANCE OF SPACECRAFT COATING
NASA-TN-D-1714 N63-15053 11-15

FEASIBLE SOLAR PROBES FROM PRESENT PLANNED VEHICLE TECHNOLOGY - SATURN ROCKET - CENTAUR VEHICLE
NASA-TN-D-1747 N63-15055 11-32

COMPOSITION OF SOLAR COSMIC RAYS - RADIATION HAZARD N63-15118 11-28

ENERGY SPECTRA, INTENSITY AND RADIATION OF COSMIC RAYS FROM SOLAR PROTON EVENTS
N63-15119 11-28

ORBITING OBSERVATORY SATELLITES - ORBITING SOLAR OBSERVATORIES, ORBITING GEOPHYSICAL OBSERVATORIES, AND ORBITING ASTRONOMICAL OBSERVATORIES
NASA-SP-30 N63-15166 11-32

OBJECTIVES OF ORBITING GEOPHYSICAL OBSERVATORY SATELLITES - ECCENTRIC ORBITING & POLAR ORBITING MISSIONS N63-15167 11-32

OBJECTIVES OF ORBITING SOLAR OBSERVATORIES - OSO I RESULTS, ADVANCED OSO I /HELIOS/ SOLAR FLARE MISSION N63-15169 11-32

ENGINEERING DESIGN OF ADVANCED ORBITING SOLAR OBSERVATORY SATELLITES - STABILIZATION & CONTROL, SUN TRACKER INSTRUMENTATION N63-15170 11-32

OBJECTIVES OF ORBITING ASTRONOMICAL OBSERVATORY SATELLITES - CONTINUOUS ULTRAVIOLET & INFRARED MEASUREMENT OF CELESTIAL RADIATION, STELLAR MAP
N63-15171 11-32

LUMINOSITY AND EVOLUTION OF MAIN-SEQUENCE STARS
N63-15706 12-05

METHOD OF EXPRESSING MASS UNBALANCE - FORCE-MOMENT METHOD APPLICATION TO SPACECRAFT DESIGN
NASA-TN-D-1446 N63-15765 13-33

ELECTRON DISPLACEMENT CAUSING ION SHEATH AROUND ANTENNA IN IONOSPHERE
NASA-TN-D-1746 N63-16163 13-12

ELECTRON-HYDROGEN PHASE SHIFT BELOW INELASTIC THRESHOLD
NASA-TN-D-1720 N63-16291 13-24

COMPOSITION AND ENERGY SPECTRA OF SOLAR COSMIC RAYS - NOVEMBER 12, 1960 - SOLAR FLARE, HYDROGEN, HELIUM, AND NUCLEI
NASA-TN-D-1764 N63-16293 13-28

SPECTRALLY SELECTIVE PHOTODETECTOR FOR MIDDLE AND VACUUM ULTRAVIOLET
NASA-TN-D-1759 N63-16392 14-09

EXPLORER XII SATELLITE INSTRUMENTATION TO STUDY ENERGY SPECTRUM OF COSMIC RAYS
NASA-TN-D-1698 N63-16426 14-15

GEODETIC PARAMETERS FOR ORBITAL CALCULATIONS
NASA-TN-D-1847 N63-16429 14-29

MODIFICATION OF HANSEN LUNAR THEORY
NASA-TN-D-1745 N63-16575 14-29

SATELLITE MEASUREMENT OF METEORITIC COSMIC DUST - EXPLORER I N63-16641 14-28

IMPORTANT CHARGED PARTICLE REACTIONS IN IONOSPHERE - ION-NEUTRAL PARTICLE REACTIONS, CHARGE EXCHANGE, DISSOCIATIVE RECOMBINATION
NASA-X-615-62-132 N63-16672 14-1

ULTRAVIOLET STELLAR SPECTRA FROM ROCKET SOUNDINGS COMPARISON OF OBSERVED RADIATION FLUX WITH MODEL STELLAR ATMOSPHERES AND INTERSTELLAR RADIATION
NASA-TM-X-50021 N63-16707 14-2

PRELIMINARY SOLAR FLARE OBSERVATIONS WITH SOFT X-RAY SPECTROMETER ON ORBITING SOLAR OBSERVATORY SATELLITE
NASA-TM-X-50023 N63-16708 14-2

STATISTICAL CELESTIAL MECHANICS - DENSITY DISTRIBUTION FUNCTION
NASA-TM-X-50022 N63-16709 14-2

S-51 REAL TIME DATA REDUCTION SYSTEM WHICH SEPARATES, COLLATES, AND DISPLAYS BOTH ANALOG AND DIGITAL INFORMATION IN DECIMAL FORM ON PAPER TAPE
NASA-TM-X-50025 N63-16717 14-2

GRAVITATIONAL POTENTIAL OF TRIAXIAL EARTH
NASA-TM-X-50031 N63-16718 14-1

MINITRACK OPTICAL TRACKING SYSTEM
N63-16949 14-0

CALIBRATION SYSTEM OF MINITRACK SATELLITE TRACKING STATIONS N63-16950 14-0

PERIODIC TROJAN ORBITS AND THUERING THEORY
NASA-TN-D-1416 N63-16985 15-2

BREAKDOWN VOLTAGES OF FREON GASES AND SULFUR HEXAFLUORIDE AT LOW PRESSURE
NASA-TN-D-1761 N63-16990 15-1

TESSERAL HARMONICS OF GRAVITATIONAL FIELD AND GEODETIC DATUM SHIFT DERIVED FROM CAMERA OBSERVATIONS OF SATELLITES
NASA-TN-D-1848 N63-16994 15-1

ELECTRON LOSS RATE FROM OUTER RADIATION BELT
NASA-TM-X-50017 N63-17104 15-2

GODDARD SPACE FLIGHT CENTER CONTRIBUTIONS TO COSPAR MEETING - SATELLITE OBSERVATIONS AND MEASUREMENTS
NASA-TN-D-1669 N63-17105 15-2

STRUCTURAL ANALYSIS OF UPPER ATMOSPHERE FROM ROCKET AND SATELLITE MEASUREMENTS OF CHARGED PARTICLES N63-17106 15-1

MEASUREMENT OF INTERPLANETARY DUST BY SATELLITES AND SPACE PROBES N63-17107 15-2

EVIDENCE OF GRANITIC ROCKS IN LUNAR CRUST FROM MORPHOLOGY OF THE LUNAR SURFACE - TEKTITES
N63-17108 15-0

BEACON SATELLITES FOR IONOSPHERE RESEARCH - BIBLIOGRAPHY N63-17109 15-1

COMPARISON OF SATELLITE MEASUREMENTS, LUNAR, AND GEODETIC SURVEYING METHODS FOR DETERMINING GEODETIC PARAMETERS N63-17110 15-1

MIDDLE ULTRAVIOLET PHOTOELECTRIC DETECTION EQUIPMENT FOR ROCKETS N63-17111 15-2

LOW ENERGY PROTONS AND ELECTRONS IN GEOMAGNETICALLY TRAPPED RADIATION
N63-17112 15-1

COSMIC RAY IN SPACE - GALACTIC RADIATION - SOLAR PROTONS N63-17113 15-2

INTERPLANETARY MAGNETIC FIELD AND PLASMA FLUX MEASUREMENTS BY EXPLORER X SATELLITE
N63-17114 15-1

COSMIC RAY DETECTION BY EXPLORER XII SATELLITE - ORBITING GEOPHYSICAL OBSERVATORY
N63-17115 15-2

TOTAL IONOSPHERIC ELECTRON DENSITY AT MAGNETIC

EQUATOR FROM OBSERVATIONS OF FARADAY EFFECT ON SATELLITE TRANSMISSIONS
NASA-TN-D-1756 N63-17119 15-20

MAGNETIC FIELD OF RADIATION BELTS - TRAPPED PARTICLES
NASA-TN-D-1762 N63-17141 15-12

EXCITATION OF ELECTROACOUSTIC WAVES BY ANTENNAS IN IONOSPHERE
NASA-TN-D-1760 N63-17143 15-20

RELAY COMMUNICATION SATELLITE - REAL TIME TELEMETRY
NASA-TM-X-50104 N63-17203 15-32

SPECTROSCOPIC ANALYSIS OF GAS BUBBLES IN TEKTITES - NEON, HELIUM & OXYGEN
N63-17480 16-07

STABILITY OF A TWENTY-FOUR HOUR SATELLITE
NASA-TN-D-1750 N63-17547 16-32

MECHANICAL IMPEDANCE STUDY OF THE X-259 ROCKET ENGINE
NASA-TN-D-1681 N63-17549 16-27

COSMIC RAY INDUCED STABLE AND RADIOACTIVE NUCLIDES IN METEORITES
NASA-TN-D-1844 N63-17550 16-05

SOLAR POWER SUPPLY SYSTEM FOR ORBITING ASTRONOMICAL OBSERVATORY
AIAA PAPER-63-217 N63-17805 16-06

DYNAMIC TESTING OF ORBITING ASTRONOMICAL OBSERVATORY
AIAA PAPER-63-176 N63-17922 16-30

NONADIABATIC THEORY OF ELECTRON-HYDROGEN SCATTERING
NASA-TN-D-1702 N63-18015 16-23

EARTH REFLECTED SOLAR RADIATION UPON SPINNING FLAT PLATE ABOARD A SATELLITE
NASA-TN-D-1842 N63-18131 16-06

RECORDING OF STAR CATALOG ON MAGNETIC TAPE FOR DIGITAL COMPUTER APPLICATION
NASA-TM-X-50150 N63-18292 17-05

STAR CATALOGS ON PUNCHED CARDS AND MAGNETIC TAPE
NASA-TM-X-50148 N63-18421 17-20

SURVEY OF ENERGETIC PARTICLES IN INNER RADIATION BELT - EXPERIMENTAL DATA ON PARTICLE FLUX, SPECTRA AND ACCELERATION
NASA-TN-D-1749 N63-18458 17-12

POWER TRANSISTOR COOLING IN SPACE ENVIRONMENT WITH HEAT SINK RADIATION AND CONDUCTION AS MODE OF HEAT TRANSFER
NASA-TN-D-1753 N63-18459 17-09

CERENKOV-SCINTILLATION COUNTER MEASUREMENTS OF LIGHT, MEDIUM, AND HEAVY NUCLEI IN PRIMARY COSMIC RADIATION FROM SUNSPOT MINIMUM TO SUNSPOT MAXIMUM
NASA-TN-D-1754 N63-18460 17-28

BOWEN DECARBONATION SERIES - P-T UNIVARIANT EQUILIBRIA OF REACTION - FORSTERITE PLUS CALCITE YIELDS MONTICELLITE, PERICLASE & CARBON DIOXIDE
NASA-TN-D-1843 N63-18464 17-07

ATMOSPHERIC RADIATION - SATELLITE MEASUREMENT OF INFRARED RADIATION N63-18477 17-21

NIMBUS PROJECT - MANAGEMENT PLANNING AND SYSTEMS ANALYSIS
NASA-TM-X-50151 N63-18601 17-30

NIMBUS PROJECT - SYSTEMS ANALYSIS
N63-18602 17-30

NIMBUS PROJECT - MANAGEMENT PLANNING - CONTRACTORS
N63-18603 17-30

NIMBUS SATELLITE - SYSTEMS DESIGN - DATA ACQUISITION - TELEVISION TRANSMISSION - ORBITAL MECHANICS N63-18605 17-30

NIMBUS SATELLITE - SYSTEMS ANALYSIS - SENSORY RING CONTENTS - MANAGEMENT PLANNING
N63-18606 17-30

NIMBUS SATELLITE - GROUND SUPPORT SYSTEM - COMMAND AND DATA ACQUISITION STATIONS
N63-18608 17-30

NIMBUS SATELLITE - STABILIZATION AND CONTROL ALTITUDE SUBSYSTEMS FOR YAW, ROLL AND PITCH AXIS
N63-18609 17-30

NIMBUS SATELLITE - STRUCTURAL CONCEPTS AND DESIGN PERTAINING TO SYSTEMS FLEXIBILITY
N63-18610 17-30

NIMBUS SATELLITE - CONCEPTS DEVELOPMENT OF PRESENT STRUCTURAL DESIGN N63-18611 17-30

NIMBUS SATELLITE - THERMAL ENVIRONMENT CONTROL AND THERMAL DESIGN N63-18612 17-30

NIMBUS SATELLITE - ELECTRICAL AND MECHANICAL SUBSYSTEMS N63-18613 17-30

NIMBUS SATELLITE - SOLAR POWER SYSTEM AND GROUND SUPPORT SYSTEM N63-18614 17-30

NIMBUS SATELLITE - INTEGRATED COMMAND AND CLOCK SUBSYSTEM N63-18615 17-30

NIMBUS SATELLITE - PULSE-CODE-MODULATED TELEMETRY SUBSYTEM N63-18616 17-30

NIMBUS SATELLITE - MEDIUM AND HIGH RESOLUTION SCANNING RADIOMETERS FOR INFRARED
N63-18617 17-30

NIMBUS SATELLITE - ADVANCED VIDICON CAMERA SUBSYSTEM - CLOUD PICTURES N63-18618 17-30

AUTOMATIC PICTURE TRANSMISSION SYSTEM - NIMBUS SATELLITE N63-18619 17-30

NIMBUS SATELLITE - VACUUM CHAMBER TESTING, SOLAR-POWER TELEMETRY, ALTITUDE CALCULATION, TELEMETRY LOGIC AND S-BAND TRANSMITTER, GRID DRIVE
N63-18620 17-30

NIMBUS SATELLITE - COMPUTER SYSTEM DESIGN AND PROGRAMMING N63-18621 17-30

NIMBUS SATELLITE - INTEGRATION AND TEST PROGRAM PLAN N63-18622 17-30

ULTRAVIOLET PHOTODETECTORS - PHOTOIONIZATION CHAMBERS, PHOTOTUBES AND PHOTOMULTPLIERS
NASA-TN-D-1718 N63-18654 17-15

PHILOSOPHY USED FOR CONDUCTING THERMAL-VACUUM TESTS OF UNMANNED EARTH SATELLITES
NASA-TN-D-1748 N63-18656 17-32

STRATOSPHERIC CIRCULATION DATA DERIVED FROM METEOROLOGICAL ROCKET FIRINGS OVER UNITED STATES DURING WINTER OF 1961 - TIROS II RADIATION DATA
NASA-TN-D-1755 N63-18657 17-21

NONADIABATIC THEORY OF ELECTRON HYDROGEN SCATTERING APPLIED TO S-WAVE SCATTERING OF POSITRONS BY ATOMIC ENERGY
NASA-TN-D-1849 N63-18660 17-23

NASA POLICIES AND PROCEDURES FOR SATELLITE RELIABILITY THROUGH ENVIRONMENTAL TESTS - REVIEW OF SATELLITE PROGRAM
NASA-TN-D-1853 N63-18661 17-17

ENVIRONMENTAL TESTING FOR SCIENTIFIC SATELLITES - RELIABILITY
NASA-TN-D-1900 N63-18664 17-32

THERMAL-VACUUM ENVIRONMENTAL TESTING OF SATELLITES
N63-18846 18-32

AUTOMATIC CONTROL OF BALANCE OF AIR BEARING TABLE TO TEST ATTITUDE CONTROL SYSTEMS

NASA-TM-X-50177 N63-18860 18-06

COMPUTER PROGRAMMING FOR INTERPLANETARY TRAJECTORY ENCKE METHOD
NASA-TM-X-50131 N63-18869 18-29

THEORETICAL BASIS FOR MECHANICAL IMPEDANCE SIMULATION IN SHOCK AND VIBRATION TESTING OF MECHANICAL STRUCTURES
NASA-TN-D-1854 N63-18888 18-33

SCINTILLATION COUNTER TELESCOPE FOR CHARGE AND ENERGY SPECTRA STUDY OF PRIMARY COSMIC RADIATION
NASA-TN-D-1757 N63-19074 18-15

ARCTIC METEOROLOGY PHOTO PROBE - POLARIZED LIGHT EXPERIMENT FOR CLOUD COVER PHOTOGRAPHS
NASA-TN-D-1449 N63-19370 18-21

COMPUTER PROGRAM FOR PLANETARY PERTURBATION COMPUTATIONS USING HANSEN THEORY
NASA-TN-D-1898 N63-19371 18-05

MASS SPECTROMETRY OF THE LOWER IONOSPHERE ABOVE WALLOPS ISLAND - DIFFUSIVITY OF ARGON & NITROGEN
NASA-TN-D-1851 N63-19605 19-12

INTERPRETATION OF RADIATION MEASUREMENTS FROM TIROS III METEOROLOGICAL SATELLITE & WATER VAPOR MEASUREMENTS N63-19616 19-21

UPPER-ATMOSPHERE STRUCTURE MEASUREMENT MADE WITH PITOT-STATIC TUBE N63-19677 19-12

IGY ROCKET-GRENADE WIND & TEMPERATURE MEASUREMENTS ABOVE GUAM N63-19678 19-12

RADIO FREQUENCY IMPEDANCE PROBE MEASUREMENTS OF IONOSPHERIC ELECTRON DENSITIES N63-19688 19-12

SOLAR RADIATION PRESSURE EFFECT ON EXPLORER XII ROTATION
NASA-TN-D-1855 N63-19735 19-30

CRITICAL INCLINATION THEORY OF EARTH SATELLITES - EXTENSION TO CASE OF ASYMMETRICAL POTENTIAL OF MAIN BODY
NASA-TM-X-50238 N63-19945 19-29

LAUNCH WINDOWS FOR HIGHLY ECCENTRIC SATELLITE ORBITS
AIAA 63-412 N63-20135 20-29

ENVIRONMENTAL TESTING FOR SCIENTIFIC SATELLITE RELIABILITY
NASA-TM-X-50266 N63-20208 20-32

THERMODYNAMIC MODEL OF CONDUCTIVITY DISPERSION IN PLASMAS AND SEMICONDUCTORS - MAXWELLIAN ENERGY
NASA-TM-X-50236 N63-20210 20-23

SPACE ENVIRONMENT SIMULATOR CONSTRUCTION PROBLEMS N63-20218 20-10

EXPRESSING STATIC AND DYNAMIC UNBALANCE FOR SPACECRAFT PAYLOADS
NASA-TM-X-50175 N63-20247 20-33

OPTIMIZATION OF SOLAR CELL POWER SUPPLY FOR INTERPLANETARY SPACECRAFT
NASA-TN-D-1846 N63-20602 20-06

INFRARED HORIZON OF PLANET EARTH - DIFFERENCE BETWEEN SURFACE, ATMOSPHERIC, & OUTER SPACE SPECTRAL REGIONS - CHOOSING SPACECRAFT SENSORS
NASA-TN-D-1850 N63-20603 20-12

ARIEL I - EVOLUTION OF STRUCTURAL DESIGN
NASA-TN-D-1903 N63-20605 20-32

SOLAR CELL GENERATORS FOR SATELLITE POWER SUPPLY - DESIGN THEORY
NASA-TN-D-1904 N63-20606 20-06

PHOTOMULTIPLIERS FOR ROCKET-BORNE ULTRAVIOLET RADIATION PHOTOMETER N63-20855 21-09

SPACE ENVIRONMENT AND ATMOSPHERIC STRUCTURE RELATIVE TO SPACECRAFT DESIGN N63-20877 21-2

ACOUSTICS - NOISE SOURCES AND PROPAGATION IN FLIGHT VEHICLES N63-20880 21-2

THERMAL ENVIRONMENT IN THE UPPER ATMOSPHERE N63-20882 21-1

MATERIALS SCIENCE RESEARCH AND TESTING AND THE EFFECTS OF SPACE ENVIRONMENT N63-20885 21-3

DYNAMIC ENVIRONMENTS AND ENVIRONMENTAL TESTING - SHOCK AND VIBRATION TESTING N63-20887 21-3

SOLAR CELL CHARACTERISTICS AND PERFORMANCE - EFFICIENCY, COATINGS, AND APPLICATION
NASA-RP-9 N63-21005 21-0

EARTH ALBEDO INPUT TO SPINNING FLAT PLATES
NASA-RP-16 N63-21100 21-2

ORBITING SATELLITES AND SATELLITES WITH DECAYED ORBITS - NAME, SOURCE, LAUNCH, NODAL PERIOD, INCLINATION, APOGEE, AND PERIGEE
NASA-TM-X-50372 N63-21250 21-3

SPACECRAFT PROGRAMMER TO CONTROL POWER USAGE AND BATTERY VOLTAGE
NASA-TM-X-50427 N63-21251 21-0

TAPE RECORDERS FOR NIMBUS SATELLITE - ELECTRONIC AND MAGNETIC SYSTEMS, CONTROL OF RECORD & READOUT
NASA-RP-30 N63-21275 21-2

THEORETICAL MODELS OF THE D, E, AND F REGIONS, UPPER IONOSPHERE AND SELECTION OF MODELS WHICH BEST FIT SPACE FLIGHT OBSERVATIONS
NASA-RP-21 N63-21280 21-1

ATMOSPHERIC CONSTITUTION AT MAGNETOSPHERIC LEVELS - HYDROGEN, HELIUM, ELECTRONS, AND IONS
NASA-TM-X-50424 N63-21311 21-1

CALCULATIONS OF GROUND STATE EXCITATION OF HYDROGEN TO 2S AND 2P LEVELS - ATOMIC EIGENSTATES EXPANSION, ELECTRON IMPACT,
NASA-TM-X-50562 N63-21335 21-2

THEORY OF CRITICAL INCLINATION OF CLOSE EARTH SATELLITE
NASA-TN-D-1858 N63-21344 21-2

DYNAMIC TESTS OF STRETCH YO-YO DE-SPIN SYSTEM
NASA-TN-D-1902 N63-21345 21-3

PROPAGATION OF MAGNETIC PERTURBATION CREATED BY IMPACT OF SOLAR PLASMA - SUDDEN COMMENCEMENT OF MAGNETIC STORMS
NASA-RP-20 N63-21347 21-1

TIROS RADIOMETRY AND ITS UTILIZATION FOR DAY AND NIGHT SYNOPTIC METEOROLOGY
NASA-RP-18 N63-21353 22-1

SOLAR FLARE PROTON ENERGY SPECTRUM NUCLEAR EMULSION, POWER LAW FOR KINETIC ENERGY
NASA-RP-14 N63-21354 22-2

METEOROLOGICAL SATELLITE INSTRUMENTATION - PHYSICAL MEASUREMENTS
NASA-RP-29 N63-21368 22-2

ROLE OF CRYSTAL GROWTH IN FORMATION OF PLANETS, COMETS AND ASTEROIDS N63-21388 22-0

NIMBUS METEOROLOGICAL SATELLITE SYSTEM FOR DATA ON WORLDWIDE ATMOSPHERIC PROCESSES - REAL-TIME WEATHER FORECASTING AND RESEARCH
NASA-RP-10 N63-21389 22-3

HYDROMAGNETIC WAVES GENERATED BY NUCLEAR EXPLOSION AT HIGH ALTITUDE
NASA-RP-17 N63-21483 22-2

SINUSOIDAL SWEEP VIBRATION TEST FOR QUALIFICATION OF SPACECRAFT STRUCTURES - WAVEFORM DISTORTION AND EFFECT ON VIBRATION TESTING
NASA-TN-D-1763 N63-21888 22-3

COMMAND RECEIVER SYSTEMS TEST AND MEASUREMENTS OF BANDWIDTH AND FREQUENCY RESPONSE, TEMPERATURE AND VIBRATION
NASA-TM-X-50425 N63-21899 22-08

ROLE OF FISSION FRAGMENTS AND GEOMAGNETISM IN MANMADE RADIATION BELTS
NASA-TM-X-50561 N63-21906 22-28

TELECOMMUNICATIONS FOR MERCURY PROJECT
N63-21959 22-08

SATELLITE OBSERVATIONS OF SPACE PHENOMENA - MERCURY PROJECT N63-21970 22-29

SATELLITE SITUATION REPORT
NASA-TM-X-50696 N63-21981 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50366 N63-21992 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50339 N63-21993 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50205 N63-22000 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50206 N63-22001 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50207 N63-22002 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50208 N63-22003 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50204 N63-22004 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50202 N63-22005 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50203 N63-22006 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50197 N63-22007 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50198 N63-22008 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50200 N63-22009 22-32

SATELLITE SITUATION REPORT
NASA-TM-X-50196 N63-22010 22-32

USE OF COMMONLY USED SATELLITE POTTING COMPOUNDS, SEALANTS AND RESINS
NASA-TM-X-50354 N63-22052 22-19

SATELLITE SITUATION REPORT
NASA-TM-X-50364 N63-22169 23-32

SATELLITE SITUATION REPORT
NASA-TM-X-50335 N63-22170 23-32

POLARIZATION OF SYNCHROTRON RADIATION AND THE QUASI-TRANSVERSE PROPAGATION REGION
NASA-TM-X-50725 N63-22172 23-28

INTERPLANETARY DUST DISTRIBUTION MEASUREMENT
N63-22450 23-29

LOW ENERGY ION DENSITY IN D-, E-, & F-REGIONS OF IONOSPHERE
NASA-RP-35 N63-22453 23-12

GALVANOMAGNETIC EFFECTS IN POLYCRYSTALLINE SEMICONDUCTORS
NASA-TN-D-1840 N63-22709 23-09

FLIGHT SHOCK & VIBRATION DATA OF ECHO SATELLITE VERTICAL TESTS
NASA-TN-D-1908 N63-22711 23-02

THEORETICAL LIMIT OF THERMOELECTRIC FIGURE OF MERIT OF GENERATORS
NASA-RP-34 N63-22930 23-25

ULTRAVIOLET STELLAR SPECTROPHOTOMETRY ABOVE ATMOSPHERE BY AEROBEE ROCKET
NASA-RP-105 N63-22950 23-05

EXPECTED BOUNDARY CONDITIONS OF B-STARS
NASA-RP-108 N63-22951 23-05

KINEMATIC STUDIES OF EARLY-TYPE STARS - PHOTOMETRIC SURVEY, SPACE MOTIONS AND COMPARISON WITH RADIO OBSERVATIONS
NASA-RP-109 N63-22952 23-05

HIGH-ENERGY ELECTRONS IN RADIATION BELTS
NASA-RP-112 N63-22953 23-12

SATELLITE SITUATION REPORT
NASA-TM-X-50910 N63-23013 24-32

SATELLITE SITUATION REPORT
NASA-TM-X-50613 N63-23016 24-32

IONOSPHERIC ABSORPTION OF EXTRATERRESTRIAL RADIO WAVES - CONDUCTIVITY TENSOR & ELECTRON COLLISION FREQUENCY
NASA-TM-X-50841 N63-23022 24-05

MAGNETIC SURVEY DATA AVAILABLE PRIOR TO IQSY WORLD MAGNETIC SURVEY
NASA-TM-X-50956 N63-23024 24-12

EXPLORER XII SATELLITE - S-3 ENERGETIC PARTICLES TEST PROGRAM AND ORBIT
NASA-TM-X-50853 N63-23034 24-06

TIROS III SATELLITE DATA REDUCTION COMPUTER PROGRAM WITH SUBROUTINE
NASA-TM-X-50729 N63-23038 24-20

INTERIM INTERSTELLAR RADIATION FIELD
NASA-RP-106 N63-23060 24-28

DELTA LAUNCH VEHICLE FLIGHT VIBRATION DATA
NASA-TN-D-1683 N63-23123 24-31

ORIGIN OF TEKTITES AS AERODYNAMIC FUSION STRIPPING OF NATURAL SATELLITES
NASA-RP-113 N63-23164 24-05

NASA FIXED-FREQUENCY TOPSIDE-SOUNDER SATELLITE S-48 - UPPER IONOSPHERE N63-23416 24-12

GEOMAGNETISM - ROLE OF GRAVITATIONAL AND MAGNETIC FIELDS IN SPACE AND EARTH CORE CURRENTS - USE OF SATELLITES IN ELECTROMAGNETIC MAPPING
N63-23441 24-12

TOPSIDE SOUNDER PROGRAM - UPPER IONOSPHERIC SOUNDING
NASA-TN-D-1913 N63-23678 24-12

AUTOMATIC PICTURE TRANSMISSION /APT/ TELEVISION CAMERA SYSTEM FOR METEOROLOGICAL SATELLITES
NASA-TN-D-1915 N63-23679 24-21

APPLICATION OF VON ZEIPEL AND MODIFIED HANSEN METHODS TO ARTIFICIAL SATELLITE ORBIT CALCULATIONS
NASA-TN-D-2094 N63-23685 24-22

SUNSPOTS - CURRENT SHEATH AND SNOWPLOW MODELS FOR SUNSPOT EXPANSION
NASA-TN-D-1906 N63-23708 24-29

TRAPPED PARTICLES FROM HIGH ALTITUDE NUCLEAR EXPLOSIONS
NASA-RP-40 N63-23794 24-23

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. LANGLEY RESEARCH CENTER, LANGLEY STATION, VA.
SELF-ERECTING SPACE VEHICLE ANTENNAS
N63-10083 01-08

PROJECT FIRE - SPACE AND REENTRY VEHICLE STATIC STABILITY
NASA-TN-D-1497 N63-10178 01-02

BUCKLING OF RING-STIFFENED CYLINDERS UNDER A PURE BENDING MOMENT AND A NONUNIFORM TEMPERATURE DISTRIBUTION
NASA-TN-D-1513 N63-10179 01-33

LONGITUDINAL AERODYNAMIC CHARACTERISTICS AT LOW SUBSONIC SPEEDS OF A HIGHLY SWEPT DELTA WING WITH NOSE DEFLECTION CONTROL
NASA-TN-D-1482 N63-10199 01-03

AERODYNAMIC CHARACTERISTICS OF A TILT-DUCT VTOL AIRCRAFT
NASA-TN-D-1491 N63-10200 01-04

SUPERSONIC EFFECTS OF THERMAL STRESS AND BUCKLING ON FLUTTER OF FLAT PANELS
NASA-TN-D-1485 N63-10205 01-33

PRESSURE DISTRIBUTION ON FLAT PLATE BY SUPERSONIC ROCKET JETS EXHAUSTING INTO FREE STREAM FLOW
NASA-TN-D-1507 N63-10206 01-11

LINEARIZED THEORY OF WIND-TUNNEL JET-BOUNDARY CORRECTIONS AND GROUND EFFECT FOR V/STOL AIRCRAFT
NASA-TR-T-124 N63-10219 01-04

PHYSICS OF THE SOLAR SYSTEM N63-10220 01-05

REENTRY DYNAMICS - SPACECRAFT, ATMOSPHERE, THERMAL PROTECTION, TRANSPORT PROPERTIES
N63-10230 01-01

REENTRY VEHICLES - DESIGN N63-10231 01-30

PROPERTIES OF THE ATMOSPHERE N63-10233 01-12

THERMODYNAMIC PROPERTIES OF HIGH TEMPERATURE AIR
N63-10234 01-12

TRANSPORT PROPERTIES OF GASES - REENTRY DYNAMICS
N63-10235 01-23

REAL GAS FLOW CONDITIONS ABOUT HYPERSONIC VEHICLES
N63-10236 01-11

SPACECRAFT TRACKING - DEEP SPACE INSTRUMENTATION FACILITY N63-10240 01-10

GROUND FACILITIES FOR TESTING REENTRY STRUCTURES AND MATERIALS N63-10242 01-10

STATUS OF SOLAR ENERGY COLLECTOR TECHNOLOGY
ARS PAPER-2531-62 N63-10261 01-06

LATERAL RANGE CONTROL BY BANKING DURING INITIAL PHASES OF SUPERCIRCULAR REENTRIES
NASA-TN-D-1511 N63-10328 01-32

INFLUENCE OF PRECESSION OF EARTH RENDEZVOUS ORBITS ON LUNAR MISSION REQUIREMENTS
NASA-TN-D-1512 N63-10329 01-29

PROPELLER SLIPSTREAM EFFECTS AS DETERMINED FROM WING PRESSURE DISTRIBUTION OF A LARGE-SCALE SIX-PROPELLER VTOL MODEL AT STATIC THRUST
NASA-TN-D-1509 N63-10533 01-04

HEAT TRANSFER AND PRESSURE DISTRIBUTIONS ON A HEMISPHERE-CYLINDER AND A BLUFF-AFTERBODY MODEL IN METHANE-AIR COMBUSTION PRODUCTS AND IN AIR
NASA-TN-D-1503 N63-10534 01-13

JET-TRANSPORT SIMULATORS FOR LANDING-CONTACT CONDITIONS
NASA-TN-D-1495 N63-10535 01-10

HOVERING CHARACTERISTICS OF ROTOR HAVING AIRFOIL SECTION DESIGNED FOR UTILITY TYPE HELICOPTER
NASA-TN-D-1517 N63-10537 01-03

SUPERSONIC TRANSPORTS - AIRCRAFT AND LANDING-GEAR FACTORS AND RESPONSE TO RUNWAY ROUGHNESS
NASA-TN-D-1492 N63-10624 02-04

ANGULAR MOTION DETECTION BY HUMAN PILOTS AND APPLICATION TO SPACE RENDEZVOUS CONTROL
NASA-TN-D-1498 N63-10626 02-14

STATIC STABILITY TESTS IN HYPERSONIC ARC TUNNEL ON BLUNTED CONE AT MACH 20
NASA-TN-D-1508 N63-10628 02-02

NOISE MEASUREMENTS DURING CAPTIVE AND LAUNCH FIRINGS OF A LARGE ROCKET-POWERED VEHICLE
NASA-TN-D-1502 N63-10650 02-27

INERTIA SPHERE TO DAMP THE ANGULAR MOTIONS OF SPINNING SPACECRAFT
NASA-TR-R-137 N63-10736 02-30

PRELIMINARY CALIBRATION TESTS OF A SMALL ARC-HEATED HYPERSONIC WIND TUNNEL
NASA-TN-D-1377 N63-10794 02-10

CONING MOTIONS OF THE FINAL STAGES OF THREE NASA SCOUT DEVELOPMENT VEHICLES
NASA-TN-D-1396 N63-10795 02-30

LANDING CHARACTERISTICS OF WINGED REENTRY VEHICLE WITH ALL-SKID LANDING GEAR HAVING YIELDING METAL SHOCK ABSORBERS
NASA-TN-D-1496 N63-10797 02-30

FREE-FLIGHT ABLATION TESTS OF A BLUNT BODY
NASA-TN-D-1500 N63-10798 02-13

VARIABLE-AMPLITUDE FATIGUE TESTS - EFFECT OF LOAD
NASA-TN-D-1522 N63-10799 02-33

SHELL STRUCTURE INSTABILITY - SYMPOSIUM, 1962
NASA-TN-D-1510 N63-10804 02-34

SHELL STABILITY IN LARGE SPACE VEHICLE BOOSTERS
N63-10810 02-34

EFFECT OF PREBUCKLING AND EDGE-SUPPORT INDUCED STRESSES ON THE BUCKLING OF PERFECT CYLINDERS
N63-10823 02-33

MEMBRANE APPROACH TO BENDING INSTABILITY OF PRESSURIZED CYLINDRICAL SHELLS
N63-10824 02-33

THERMAL BUCKLING OF CYLINDERS
N63-10827 02-33

BUCKLING OF REINFORCED ORTHOTROPIC CYLINDERS
N63-10830 02-33

ASYMMETRIC BUCKLING OF CLAMPED SHALLOW SPHERICAL SHELLS N63-10841 02-33

BUCKLING OF SPHERICAL SHELLS OF EXTREMELY HIGH RADIUS-THICKNESS RATIO N63-10848 02-33

ABORT FROM A MANNED LUNAR LANDING AND RETURN TO RENDEZVOUS IN A 50-MILE ORBIT
NASA-TN-D-1514 N63-10904 02-32

TIME-DEPENDENT AERODYNAMIC FORCES WITH APPLICATION TO A WING DEFORMING HARMONICALLY ACCORDING TO A GENERAL POLYNOMIAL EQUATION
NASA-TN-D-1475 N63-10950 02-03

FLUTTER OF AERODYNAMICALLY HEATED PANELS
N63-10967 02-33

DYNAMICS OF BOOSTER STRUCTURE, CONTROL, AND LOADING N63-10968 02-31

DETERIORATION OF CALCIA-STABILIZED ZIRCONIA, REFRACTORY MATERIALS
NASA-TN-D-1595 N63-10986 02-18

HEAT TRANSFER AND PRESSURE ON A FLAT PLATE AND ON PROTUBERANCES IN A SUPERSONIC TURBULENT BOUNDARY LAYER AT MACH 2.65, 3.51, AND 4.44
NASA-TN-D-1372 N63-10991 02-13

AEROTHERMOELASTICITY PROBLEMS - HIGH VELOCITY FLIGHT VEHICLES N63-11059 03-33

SIMULATOR STUDY OF AN ACTIVE CONTROL SYSTEM FOR A SPINNING BODY
NASA-TN-D-1515 N63-11122 03-30

ABLATION RELATIONSHIPS FOR ANY TYPE OF BOUNDARY LAYER FROM TRANSPIRATION COOLING RESULTS
NASA-TM-X-300 N63-11131 03-13

INTEGRAL EQUATION RELATING GENERAL TIME-DEPENDENT LIFT & DOWNWASH DISTRIBUTIONS OF FINITE WINGS IN SUBSONIC FLOW

NASA-TN-D-1521 N63-11614 04-03

HELIUM & AIR - IONIZATION GAUGE FOR DETERMINING PERCENTAGE COMPOSITION OF GASEOUS MIXTURES
NASA-TN-D-1597 N63-11619 04-15

A DATA REDUCTION METHOD FOR COMPUTING EFFECT OF ADDITIONAL OBSERVATION ON PREVIOUS LEAST-SQUARES ESTIMATES
NASA-TN-D-1599 N63-11620 04-20

AUTOMATIC CONTROL SYSTEM FOR TERMINAL GUIDANCE OF SATELLITE RENDEZVOUS
NASA-TR-R-128 N63-11780 04-22

AERODYNAMIC CHARACTERISTICS OF FOUR DUCT TANDEM VTOL AIRCRAFT CONFIGURATIONS
NASA-TN-D-1481 N63-11846 04-02

ENVIRONMENTAL PROBLEMS OF SPACE FLIGHT STRUCTURES - PART II, METEOROID HAZARDS
NASA-TN-D-1493 N63-11986 05-30

PANEL FLUTTER RESULTS FOR FLAT AND CURVED TITANIUM SKIN PANELS AT SUPERSONIC SPEED
NASA-TN-D-1600 N63-12004 05-33

IRRADIATION EFFECTS OF 40 AND 440-MEV PROTONS ON TRANSISTORS
NASA-TN-D-1490 N63-12194 05-23

SPIN OF SCALE MODEL UNSWEPT WING, TWIN-ENGINE, OBSERVATION AIRCRAFT
NASA-TN-D-1516 N63-12243 05-04

EFFECT OF VACUUM ON PENETRATION CHARACTERISTICS OF PROJECTILES INTO FINE PARTICLES
NASA-TN-D-1519 N63-12244 05-23

LATERAL VIBRATION CHARACTERISTICS OF SCALE MODEL SATURN SA-1 LAUNCH VEHICLE - RESONANT FREQUENCIES AND DAMPING
NASA-TN-D-1593 N63-12246 05-30

EFFECTS OF CAMBER AND TWIST ON AERODYNAMIC CHARACTERISTICS OF PARAWINGS
NASA-TN-D-972 N63-12287 05-02

TRANSONIC FLUTTER CHARACTERISTICS OF THIN CANTILEVER WINGS WITH TAPER RATIOS OF 0.6
NASA-TN-D-1594 N63-12480 06-03

PRESSURE DISTRIBUTION AT SUPERSONIC SPEED OF SWEPTBACK WING AIRCRAFT MODEL AT COMBINED ANGLES OF ATTACK AND SIDESLIP - TABULATED DATA
NASA-MEMO-10-15-58L N63-12497 06-02

HEAT TRANSFER MEASUREMENTS FROM FLIGHT TEST OF TWO WING-BODY COMBINATIONS AT MACH NUMBERS TO 4.86
NASA-MEMO-10-25-58L N63-12498 06-02

AERODYNAMIC CHARACTERISTICS OF CRUCIFORM-WING MISSILE CONFIGURATION WITH CANARD AND TRAILING EDGE FLAP CONTROLS AT SUPERSONIC SPEEDS
NASA-MEMO-10-2-58L N63-12499 06-02

FLUTTER TESTS OF SANDWICH-TYPE FLAT PANELS AT SUPERSONIC SPEEDS
NASA-MEMO-10-17-58L N63-12500 06-33

STATIC STABILITY AND DRAG CHARACTERISTICS OF BLUNT BODIES AT TRANSONIC SPEED
NASA-MEMO-10-28-58L N63-12501 06-02

CARRY LOADS, AERODYNAMIC INTERFERENCE EFFECTS AND DROP CHARACTERISTICS OF X-15 THROUGH B-52 FLOW FIELD
NASA-MEMO-6-8-59L N63-12502 06-04

FORCE AND PRESSURE MEASUREMENTS ON SEVERAL CANOPY-FUSELAGE CONFIGURATIONS AT LOW SUPERSONIC SPEEDS
NACA-RM-L55H23 N63-12519 06-02

SIMULATED FLIGHT TESTS OF ELASTIC SWEPT-WING BOMBER AND FIGHTER MODEL COUPLED WING TIP TO WING TIP
NACA-RM-L55J24 N63-12520 06-02

SUPERSONIC FLOW OF TWO TURBINE BLADE SECTIONS WITH TURNING ANGLE OF 160-DEGREES
NACA-RM-L57F21 N63-12521 06-27

BOUNDARY LAYER CHARACTERISTICS OF FUSELAGES OF VARIOUS CROSS SECTIONAL SHAPES AT STATIC PRESSURE
NACA-RM-L56I13 N63-12533 06-02

BUFFETING TESTS OF ATTACK AIRCRAFT MODEL AT TRANSONIC SPEEDS
NACA-RM-L57H13 N63-12534 06-02

FORCE STUDY OF SCALE MODEL XSM-64A NAVAHO MISSILE AND BOOSTER AT SUPERSONIC SPEEDS
NASA-TM-X-16 N63-12548 06-02

PRESSURE STUDY OF SCALE MODEL XSM-64A NAVAHO MISSILE AND BOOSTER AT SUPERSONIC SPEEDS
NASA-TM-X-17 N63-12549 06-02

EFFECTS OF WING VERTICAL LOCATION ON STABILITY AND CONTROL OF CANARD AIRCRAFT AT SUPERSONIC SPEEDS
NASA-TM-X-44 N63-12551 06-02

STATIC STABILITY AND CONTROL CHARACTERISTICS OF AIRCRAFT MODEL WITH TAIL SURFACES OUTBOARD OF WING TIPS
NASA-TM-X-47 N63-12552 06-02

STATIC LONGITUDINAL AERODYNAMICS OF WING AND BLUNT BODY SHAPES FOR USE AS REENTRY CONFIGURATIONS AT HYPERSONIC SPEED AND ANGLES OF ATTACK UP TO 90-DEG
NASA-TM-X-65 N63-12553 06-02

LOW-SPEED STATIC LONGITUDINAL AND LATERAL CHARACTERISTICS OF DELTA-WING MODEL WITH FIXED AND FREE-FLOATING CANARD SURFACES
NASA-TM-X-120 N63-12555 06-02

STATIC LONGITUDINAL STABILITY AND ROLL OF THREE-STAGE MISSILE CONFIGURATION AT SUPERSONIC SPEEDS
NASA-TM-X-124 N63-12556 06-02

STATIC LONGITUDINAL STABILITY CHARACTERISTICS OF BLUNTED GLIDER REENTRY CONFIGURATION
NASA-TM-X-222 N63-12557 06-02

SPIN AND RECOVERY CHARACTERISTICS OF NORTH AMERICAN X-15 AIRCRAFT
NASA-TM-X-294 N63-12558 06-04

WIND TUNNEL INVESTIGATION AT SUBSONIC & TRANSONIC SPEED OF STATIC AERODYNAMIC AND CONTROL CHARACTERISTICS OF CAPSULE-BOOSTER MODEL
NASA-TM-X-317 N63-12559 06-02

BASIC PRESSURE MEASUREMENTS ON 0.0667-SCALE MODEL OF NORTH AMERICAN X-15 RESEARCH AIRCRAFT AT TRANSONIC SPEEDS
NASA-TM-X-344 N63-12560 06-04

ATMOSPHERE AS PART OF NEAR-EARTH SPACE ENVIRONMENT
NASA-TN-D-1387 N63-12586 06-21

COMPOSITION, TEMPERATURE, DENSITY AND PRESSURE OF THE ATMOSPHERE RELATED TO THE SPACE ENVIRONMENT
N63-12587 06-21

RADIATION BALANCE OF EARTH ATMOSPHERE - REVIEW OF ENERGY EXCHANGE PROCESSES RELATED TO SPACE ENVIRONMENT N63-12588 06-21

WINDS & MOTIONS OF ATMOSPHERE RELATED TO SPACE ENVIRONMENT N63-12589 06-21

IN-PLANE VIBRATIONS OF FLAT SPINNING DISK
NASA-TN-D-521 N63-12590 06-33

GUIDANCE OF SPACECRAFT APPROACHING EARTH AT SUPERCIRCULAR VELOCITIES ON DESIRED PERIGEE
NASA-TN-D-1607 N63-12592 06-22

TORQUE INDUCED BY MAGNETIC FIELD ON ROTATING CYLINDERS, CONES AND CONE FRUSTUMS
NASA-TR-R-129 N63-12596 06-29

EXPLORER XVI MICROMETEOROID SATELLITE
NASA-TM-X-810 N63-12639 06-32

PRESSURE DISTRIBUTION ON X-15 AIRCRAFT MODEL
NASA-TM-X-275 N63-12646 06-04

HEAT TRANSFER IN REGIONS OF SEPARATED AND REATTACHED FLOWS
NACA-RM-L57D25B N63-12647 06-02

LOCAL HEAT TRANSFER TO BLUNT NOSES AT HIGH SUPERSONIC SPEEDS
NACA-RM-L57D25C N63-12648 06-02

VISUAL BOUNDARY FOR HUMAN PERCEPTION OF VERTICAL RATE OF DESCENT
NASA-TN-D-1591 N63-12703 06-14

MEASURING ELECTRICAL CONDUCTIVITY OF PLASMA WITH MAGNETIC PROBE N63-12748 06-15

EFFECT OF JET-ENGINE AIR-INLETS ON LOW SPEED STATIC LONGITUDINAL STABILITY AND QUANTITY FLOW OF MX-1764 AIRCRAFT
NACA-RM-SL54A06 N63-12762 06-03

EFFECT OF JET ENGINE AIR-INLETS ON LOW SPEED STATIC LATERAL STABILITY OF MX-1764 AIRCRAFT
NACA-RM-SL54C12 N63-12763 06-03

VISUAL ACUITY OF PILOT AS APPLIED TO RENDEZVOUS OPERATIONS
IAS PAPER-63-15 N63-12884 07-14

ACTION OF HYPERSONIC JET ON DUST LAYER - RELATED TO LUNAR SURFACE EROSION BY ROCKET EXHAUST
IAS-PAPER-63-50 N63-12894 07-29

WIND TUNNEL TESTING OF HELICOPTER ROTOR OPERATING AT EXTREME THRUST COEFFICIENTS AND HIGH-TIP-SPEED RATIOS N63-12895 07-03

EFFECTS OF DEFLECTED INBOARD AILERONS ON WING LOADS OF 45-DEG SWEPT-BACK WING AT TRANSONIC SPEEDS
NACA-RM-L58E12 N63-12911 07-03

SUBSONIC AND SUPERSONIC FLUTTER CALCULATIONS ON SWEPT AND UNSWEPT WINGS TO EVALUATE EFFECTS OF VARIATIONS IN AERODYNAMIC PARAMETERS AND DENSITY
NASA-TM-X-182 N63-12914 07-03

AERODYNAMIC CHARACTERISTICS OF BODY IN FLOW FIELD NEAR TIP OF CIRCULAR-ARC WING OF RECTANGULAR PLANFORM AT MACH 2.01
NASA-TM-X-211 N63-12915 07-03

STATIC STABILITY OF SQUARE AND CIRCULAR PLANFORM REENTRY VEHICLES AT MACH 3.11 - EFFECTS OF CONTROLS AND LEADING-EDGE EXTENSIONS
NASA-TM-X-272 N63-12916 07-02

INTERFERENCE OF JET EXHAUST FROM LARGE TRANSONIC SEAPLANE
NASA-TM-X-218 N63-12917 07-04

SUBSONIC AERODYNAMIC CHARACTERISTICS OF DELTA-WING REENTRY VEHICLE WITH FOLDING WINGTIP PANELS
NASA-TM-X-288 N63-12918 07-02

NUMERICAL LIFTING-SURFACE METHOD TO CALCULATE DIRECT GUST FORCES AND MOMENTS ON WINGS AT SUBSONIC SPEEDS
NASA-TN-D-1501 N63-12927 07-03

PRESSURE DISTRIBUTIONS OVER FORWARD PORTION OF PROJECT FIRE SPACE-VEHICLE CONFIGURATION AT SUBSONIC SPEED
NASA-TN-D-1612 N63-12950 07-02

FLUTTER INVESTIGATION OF VERY LOW ASPECT-RATIO FLAT-PLATE SURFACES AT SUBSONIC AND SUPERSONIC SPEED
NASA-TM-X-53 N63-12952 07-33

EFFECT OF GROSS LOAD AND BOW MODIFICATIONS ON HYDRODYNAMIC CHARACTERISTICS OF SUBSONIC MINE-LAYING SEAPLANE
NASA-TM-X-71 N63-12953 07-04

WIND TUNNEL TESTS OF STATIC STABILITY OF MODEL X-1E AIRCRAFT AT MACH 2 TO 4
NASA-TM-X-5 N63-12974 07-04

AERODYNAMIC CHARACTERISTICS OF A 0.0667-SCALE MODEL OF THE X-15 AIRCRAFT
NASA-TM-X-24 N63-12975 07-02

PITCH-UP EVALUATION AT HIGH SUBSONIC SPEEDS - POSSIBLE LIMITATIONS DUE TO WING-ASPECT-RATIO VARIATIONS
NASA-TM-X-26 N63-12976 07-02

TRANSONIC WIND TUNNEL INVESTIGATION OF PRESSURES AND HINGE MOMENTS ON SWEPTBACK T-MOUNTED HORIZONTAL AIRCRAFT TAIL
NASA-TM-X-61 N63-12978 07-03

LOW-SPEED AERODYNAMIC STABILITY OF VARIABLE-INCIDENCE DELTA-WING MODEL WITH HIGH-LIFT CANARD SURFACES
NASA-TM-X-72 N63-12979 07-04

AERODYNAMIC CHARACTERISTICS OF AIRCRAFT CONFIGURATION WITH CAMBERED AND TWISTED ARROW WING AT SUPERSONIC SPEED
NASA-TM-X-115 N63-12981 07-02

EFFECTS OF TWIST, CAMBER AND THICKNESS ON AERODYNAMIC FEATURES OF 75-DEG SWEPT ARROW WING
NASA-TM-X-138 N63-12982 07-03

STATIC LONGITUDINAL STABILITY CHARACTERISTICS OF WINGED REENTRY VEHICLE HAVING LARGE NEGATIVELY DEFLECTED FLAP-TYPE CONTROL SURFACE
NASA-TM-X-179 N63-12983 07-02

SUBSONIC FLIGHT CHARACTERISTICS OF FLAT-TOP HYPERSONIC-BOOST GLIDE AIRPLANE MODEL WITH ARROWHEAD WING
NASA-TM-X-193 N63-12984 07-02

HYPERSONIC 11-INCH CERAMIC-HEATED WIND TUNNEL - DESIGN, OPERATION, AND TESTING
NASA-TN-D-1598 N63-13098 07-10

SPACECRAFT POSITION IN EARTH-MOON SPACE FROM OPTICAL MEASUREMENTS
NASA-TN-D-1604 N63-13099 07-22

AVERAGE SKIN FRICTION IN TURBULENT AND LAMINAR FLOW
NASA-TR-R-123 N63-13105 07-02

PRODUCING HIGH-ENTHALPY SHORT-DURATION HYPERSONIC GAS FLOW WITH EXPANSION TUBE
NASA-TR-R-133 N63-13106 07-02

EFFECT OF CAMBER ON AERODYNAMIC CHARACTERISTICS OF OGIVE-CIRCULAR-CYLINDRICAL BODY AT MACH 2.01
NASA-TM-X-56 N63-13108 07-02

EFFECTS OF GASEOUS DIFFUSION ON RATE OF OXIDATION OF METAL FORMING VOLATILE OXIDE
N63-13171 07-07

BENDING MOMENT DISTRIBUTION OF OPTIMALLY LOADED CAMBERED-SPAN WINGS
NASA-TN-D-1505 N63-13181 07-03

TENSILE PROPERTIES AND SHEET-BENDING FATIGUE PROPERTIES OF REFRACTORY METALS
NASA-TN-D-1592 N63-13183 07-18

BLAST LOADING ON AIRFOIL IN HIGH SUBSONIC AIRFLOW - DIFFRACTION
NASA-TN-D-1603 N63-13185 07-03

EFFECT OF FORWARD-FACING JET ON BOW SHOCK OF BLUNT BODY IN SUPERSONIC FREE STREAM
NASA-TN-D-1605 N63-13186 07-02

SELF ERECTING FLEXIBLE FOAM STRUCTURES FOR SPACE ANTENNAS - RECOVERY AND STRESS-STRAIN PROPERTIES - VACUUM AND SOLAR RADIATION EFFECTS
NASA-TN-D-1610 N63-13187 07-08

LATERAL AND LONGITUDINAL RANGES OF HYPERSONIC GLOBAL REENTRY VEHICLE EFFECTS OF BANK ANGLE, BANKING POSITION AND DURATION
NASA-TN-D-1617 N63-13188 07-30

TTITUDE CONTROL SYSTEM FOR FINNED SOLID ROPELLANT SOUNDING ROCKET
ASA-TN-D-1608 N63-13219 07-06

LUTTER OF 45-DEG SWEPTBACK WING IN AIR AND REON-12 IN TRANSONIC WIND TUNNEL
ASA-TN-D-1616 N63-13261 07-33

FF-DESIGN AERODYNAMIC CHARACTERISTICS OF SWEPT RROW WINGS WITH TWIST AND CAMBER AT SUPERSONIC ELOCITIES
ASA-TN-D-1630 N63-13516 08-03

ADIO-ATTENUATION MEASUREMENT /RAM A1/ TEST, FOUR-TAGE SOLID-PROPELLANT ROCKET VEHICLE - ERFORMANCE AND DESIGN
ASA-TN-D-1611 N63-13548 08-31

ERODYNAMIC CHARACTERISTICS AT MACH 6.77 OF 9-DEG ONE, WITH AND WITHOUT SPHERICAL AFTERBODY AND OSE BLUNTING AT ANGLES OF ATTACK TO 180-DEG
ASA-TN-D-1606 N63-13562 08-02

ERODYNAMIC DRAG AND STABILITY OF TOWED INFLATABLE ECELERATORS AT SUPERSONIC SPEEDS
ASA-TN-D-1601 N63-13716 08-02

OSTBUCKLING EFFECTS ON FLUTTER OF SIMPLY UPPORTED RECTANGULAR PANELS AT SUPERSONIC SPEEDS Y VON KARMAN THEORY
ASA-TN-D-1615 N63-13717 08-33

EFFECT OF CROSS-SECTION SHAPE ON AERODYNAMIC HARACTERISTICS OF BODIES AT MACH 2.50 TO 4.63 - USELAGE DESIGN
ASA-TN-D-1620 N63-13718 08-02

NALYSIS OF DELTA-WING HYPERSONIC STABILITY & ONTROL AT ANGLES OF ATTACK BETWEEN 30 DEG AND O DEG
ASA-TN-D-1602 N63-13756 08-03

BLUNTED RIGHT TRIANGULAR PYRAMIDAL LIFTING REENTRY CONFIGURATION USING VARIABLE-SWEEP WING PANELS - ONGITUDINAL AERODYNAMICS AT MACH 0.4 TO 1.0
NASA-TN-D-1518 N63-13788 09-02

STRENGTH OF FILAMENTARY SHEET WITH BROKEN FIBER
NASA-TN-D-1609 N63-13789 09-33

SIMULATED PILOT PERFORMANCE OF RENDEZVOUS BETWEEN SPACECRAFT AND COMMANDED MODULE OF LOW THRUST
NASA-TN-D-1613 N63-13790 09-14

DYNAMIC STABILITY OF TOWED PARAWING GLIDER
NASA-TN-D-1614 N63-13791 09-02

SURFACE PRESSURE DISTRIBUTION ON FLAT PLATE BY COLD AIR JET AND CYLINDRICAL ROD
NASA-TN-D-1629 N63-13792 09-11

SPACE VEHICLE LAUNCHING AND ASSOCIATED NOISE - SATURN LAUNCH VEHICLE - OPERATIONAL PROBLEMS RESULTING FROM VIBRATION N63-13857 09-30

SUPERSONIC STORE INTERFERENCE - 1, SWEPT-WING HEAVY BOMBER WITH LARGE STORES - LIFT & DRAG AT MACH 1.61
NACA-RM-L55A13A N63-13860 09-02

SUBSONIC-DIFFUSER DATA - EXIT FLOW, BOUNDARY-LAYER CONTROL, AND INLET VELOCITY
NACA-RM-L56F05 N63-13862 09-02

ROLLING EFFECTIVENESS OF AERODYNAMIC CONTROLS OF FIGHTER AIRCRAFT WITH ROCKET-POWERED MODEL AT TRANSONIC SPEED
NACA-RM-L51128 N63-13866 09-03

FREE FLIGHT TESTS OF 45-DEG SWEPT WINGS OF 3.15 ASPECT RATIO AND 0.54 TAPER RATIO TO MEASURE WING DAMPING AND POSSIBLE TRANSONIC FLUTTER
NACA-RM-L54C22 N63-13867 09-03

EFFECT OF LARGE STORE /NACELLE/ ON A SWEPT-WING HEAVY BOMBER - LATERAL FORCE AND PITCHING MOMENTS
NACA-RM-L55E26A N63-13868 09-02

EFFECT OF STORES ON A SWEPT-WING HEAVY BOMBER
NACA-RM-L55L08 N63-13869 09-02

ORIGIN & DISTRIBUTION OF SUPERSONIC STORE INTERFERENCE/MEASUREMENT OF INDIVIDUAL FORCES - SWEPT-WING HEAVY BOMBER WITH LARGE STORE FIGURE
NACA-RM-L55K15 N63-13870 09-02

ORIGIN AND DISTRIBUTION OF SUPERSONIC STORE INTERFERENCE/MEASUREMENT OF INDIVIDUAL FORCES ON DELTA-WING HEAVY BOMBER CONFIGURATION MACH 1.61
NACA-RM-L55127A N63-13871 09-02

ORIGIN OF SUPERSONIC STORE INTERFERENCE FROM MEASUREMENTS OF INDIVIDUAL FORCES - SWEPT-WING FIGHTER-BOMBER WITH LARGE & SMALL STORES
NACA-RM-L55H01 N63-13873 09-02

HEAT TRANSFER IN FREE FLIGHT ON FLAT-FACED CONICAL NOSE TO MACH 14.6
NACA-RM-L57L03 N63-13874 09-13

FREE FLIGHT AERODYNAMIC HEATING DATA OBTAINED FROM FLAT-FACED CYLINDER AT MACH 10.9
NACA-RM-L57K29 N63-13875 09-13

AERODYNAMIC LOADS ON HIGH-SPEED AIRCRAFT EXTERNAL STORE ADJACENT TO AN UNSWEPT WING AT MACH 0.75 TO 1.96
NACA-RM-L55L07 N63-13880 09-02

CONTROL TRAILING-EDGE THICKNESS AND ASPECT RATIO EFFECT ON OSCILLATING HINGE-MOMENT AND FLUTTER CHARACTERISTICS OF FLAP-TYPE CONTROLS
NACA-RM-L58B25 N63-13882 09-33

SUPERSONIC FREE FLIGHT HEAT TRANSFER STUDY OF TWO CONE CYLINDER BODIES AT ANGLE OF ATTACK OF 8-DEG WITH ONE BODY ROTATING
NASA-MEMO-12-31-58L N63-13890 09-13

WATER LANDINGS OF WINGED REENTRY CONFIGURATION HAVING OUTBOARD FOLDING WING PANELS - MODELS USED
NASA-TM-X-62 N63-13891 09-11

TEST OF DIVERGENT EJECTOR, JET EXHAUST FROM H202 TURBOJET SIMULATOR
NASA-TM-X-165 N63-13896 09-02

AERODYNAMIC LOAD AND FLUTTER ON SWEPT AND UNSWEPT WINGS AT VARIOUS SPEEDS
NASA-TM-X-183 N63-13897 09-03

TRANSONIC COMPRESSOR CASCADE - TEST RESULTS FOR FOUR BLADE SECTIONS
NASA-TM-X-197 N63-13898 09-03

FREE FLYING 1/3-SCALE MODEL OF A LIFTING REENTRY CONFIGURATION AND LOW SUBSONIC STABILITY AND CONTROL CHARACTERISTICS
NASA-TM-X-297 N63-13900 09-32

AERODYNAMIC HEATING TESTS OF MISSILE STABILIZERS IN FREE JET AT SUPERSONIC SPEEDS
NASA-TM-X-299 N63-13901 09-03

STATIC LONGITUDINAL STABILITY AND CONTROL CHARACTERISTICS OF AIR-TO-SURFACE CANARD MISSILE CONFIGURATION IN TRANSONIC RANGE
NASA-TM-X-305 N63-13902 09-04

AERODYNAMIC AND CONTROL STUDIES OF LIFTING REENTRY CONFIGURATIONS AT ANGLES OF ATTACK UP TO 90-DEG AT SUPERSONIC SPEEDS
NASA-TM-X-338 N63-13903 09-32

LENTICULAR-SHAPED REENTRY VEHICLE STATIC LONGITUDINAL AERODYNAMIC CHARACTERISTICS AT TRANSONIC SPEEDS
NASA-TM-X-423 N63-13906 09-32

SUPERSONIC FREE-FLIGHT TEST OF DELTA BOOST-GLIDE FIGURE WITH ANALOG STUDY OF COUPLED MOTIONS
NASA-TM-X-425 N63-13907 09-32

STATIC STABILITY AND CONTROL CHARACTERISTICS OF MANNED LENTICULAR REENTRY CONFIGURATION AT LOW SUBSONIC SPEEDS
NASA-TM-X-431 N63-13908 09-32

SUBSONIC AERODYNAMIC CHARACTERISTICS OF DELTA-WING REENTRY VEHICLE WITH VERTICALLY DISPLACED AND CAMBERED WING-TIP PANELS
NASA-TM-X-440 N63-13909 09-32

EFFECT OF LONGITUDINAL AND LATERAL CONTROLS ON WINGED REENTRY CONFIGURATION AT MACH 1.97 AND ANGLES OF ATTACK UP TO 90-DEGREES
NASA-TM-X-449 N63-13910 09-32

NORMAL/AXIAL FORCE AND PITCHING MOMENT CHARACTER OF BLUNT LOW FINENESS RATIO BODIES OF REVOLUTION AT MACH 3.55
NASA-TM-X-467 N63-13911 09-02

PRESSURE AND TURBULENT HEAT TRANSFER ASSOCIATED WITH SINUSOIDAL PROTUBERANCES ON FLAT PLATE
NASA-TN-D-1626 N63-13950 09-13

FREE FLIGHT TEST OF TAILLESS MISSILE CONFIGURATION WITH 45-DEG SWEPTBACK WING OF ASPECT RATIO 4 - STABILITY AT TRANSONIC SPEEDS
NACA-RM-L56E11 N63-13986 09-30

FLUTTER OF CONTROL SURFACES AND TABS - AEROELASTICITY N63-14117 09-33

HELIUM PARAMETERS CALCULATED TO HIGH STAGNATION TEMPERATURES AND PRESSURES BELOW CRITICAL DENSITY TO ESTABLISH REAL GAS BEHAVIOR
NASA-TN-D-1632 N63-14207 09-11

STABILITY & CONTROL OF X-15 AIRCRAFT SCALE MODEL AT TRANSONIC SPEEDS
NASA-TM-X-758 N63-14247 10-04

PRESSURE DISTRIBUTIONS ON 3 RIGID WINGS SIMULATING PARAWINGS WITH VARIED CANOPY CURVATURE AND LEADING EDGE SWEEP AT MACH 2.29 TO 4.65
NASA-TN-D-1618 N63-14252 10-03

ROOM-TEMPERATURE SHEAR AND COMPRESSION TESTS OF STIFFENED PANELS WITH INTEGRAL OR ATTACHED COOLING CIRCUITS
NASA-TN-D-1499 N63-14271 10-33

EFFECT OF ALTIMETER-SYSTEM ACCURACY ON AIRCRAFT COLLISION PROBABILITY
NASA-TN-D-1627 N63-14274 10-22

THEORIES OF COMPRESSIBLE TURBULENT-BOUNDARY-LAYER SKIN FRICTION WITH ZERO PRESSURE GRADIENT AND EXPERIMENTAL RESULTS
NASA-TN-D-1795 N63-14278 10-11

EXPLORER XVI MICROMETEOROID SATELLITE - PRESSURE CELL PENETRATION EXPERIMENTS
NASA-TM-X-824 N63-14397 10-29

WALL COORDINATE CALCULATIONS OF HYPERSONIC NOZZLE WITH REAL-GAS EFFECTS
NASA-TN-D-1622 N63-14427 10-02

STABILITY OF A CONICAL-FLARE-STABILIZED BODY OF FINENESS RATIO 11.5 AT MACH 1.0 TO 3.2 - FLARED SKIRT AFTERBODY
NASA-MEMO-4-2-59L N63-14527 10-04

LOW SPEED WIND TUNNEL ANALYSIS OF ANNULAR-JET CONFIGURATION IN GROUND RANGE
NASA-TN-D-1779 N63-14589 10-02

LOW SUBSONIC STABILITY AND CONTROL OF A 0.34-SCALE FREE FLYING MODEL OF A HALF CONE REENTRY VEHICLE
NASA-TM-X-665 N63-14682 10-02

COMPILATION OF PAPERS PRESENTED AT NASA CONFERENCE ON TESTING, DESIGN, PERFORMANCE, AND IMPROVEMENTS OF VTOL AND V/STOL AIRCRAFT N63-14683 10-04

REVIEW OF BASIC PRINCIPLES OF V/STOL AERODYNAMICS. FUEL CONSUMPTION AND PROPULSIVE EFFICIENCY DURING HOVERING AND CRUISE FLIGHT N63-14684 10-04

AERODYNAMIC CHARACTERISTICS OF PROPELLER-DRIVEN VTOL AIRCRAFT - HOVERING, PROPELLER DRIVES N63-14685 10-04

TESTS OF WING-TIP-MOUNTED DUCTED FANS FOR V/STOL AIRCRAFT N63-14687 10-

EFFECT OF JET AND FREE STREAM AIR FLOW ON WING FUSELAGE OF JET AND DUCTED-FAN VTOL AIRCRAFT IN TRANSITION N63-14689 10-

DISCUSSION OF GROUND INTERFERENCE EFFECT ON VTOL AIRCRAFT. EFFECTS OF JET EXHAUST AND SLIP STREAM N63-14690 10-

METHODS OF IMPROVING HELICOPTER EFFICIENCY - AIR FOIL CHARACTERISTICS, ROTARY DRIVE, DRAG EFFECTS N63-14691 10-

RESEARCH ON VTOL AIRCRAFT STABILITY AND CONTROL PERFORMANCE DURING HOVERING, LOW SPEED, AND LANDING N63-14693 10-

V/STOL AIRCRAFT HANDLING CRITERIA FOR HOVERING, LOW-SPEED AND TRANSITION FLIGHT - CONTROL RESPONSE AND POWER - FLIGHT STABILITY N63-14698 10-C

V/STOL AIRCRAFT - GROUND HANDLING, TAKEOFF, TRANSITION, ENGINE-OUT CHARACTERISTICS, INSTRUMENT APPROACHES AND LANDING N63-14701 10-C

GROUND EROSION DUE TO VTOL DOWNWASH N63-14703 10-C

DESIGN AND OPERATION OF V/STOL AIRCRAFT WITH REFERENCE TO PROPULSION SYSTEM NOISE N63-14704 10-C

STRUCTURAL DYNAMICS OF ROTOR AIRCRAFT - STABILITY RESONANCE AMPLIFICATIONS OF ROTOR-BLADE STRESS AN MEASUREMENT OF ROTOR HUB FORCES AND MOMENTS N63-14705 10-3

STRUCTURAL LOAD SURVEYS ON TILT-WING VTOL AIRCRAF AIRFRAME VIBRATORY LOADS OF VZ-II VTOL AND WING LOADS OF RESEARCH MODEL IN WIND TUNNEL TESTS N63-14706 10-3

ROTOR-BLADE VIBRATORY LOADS - AERODYNAMIC LOADING THROUGH ALL FLIGHT PHASES N63-14707 10-3

VARIABLE AMPLITUDE LOADING, FATIGUE LOADING, FATIGUE CRACK PROPAGATION AND STRUCTURAL PARTS - FATIGUE LIFE N63-14708 10-3

V/STOL AIRCRAFT - HELICOPTER DESIGN - DRAG REDUCTION - PROPELLERS AND FIXED WINGS IN HIGH SPEED FLIGHT N63-14709 10-0

STATIC STABILITY INVESTIGATION OF SUPERSONIC NONLIFTING REENTRY VEHICLE
NASA-MEMO-3-2-59L N63-14757 11-0

HEAT & IMPACT TEST ON INSULATED & UNINSULATED FUS MECHANISM OF BALLISTIC MISSILE IN REENTRY AERODYNAMIC HEATING
NASA-MEMO-12-5-58L N63-14758 11-0

FREE OSCILLATION TEST TO DETERMINE HINGE MOMENT O TRAILING-EDGE, FLAP CONTROL SURFACE WITH VARIOUS HINGE-LINE POSITIONS AT TRANSONIC SPEED
NACA-RM-L57C11 N63-14763 11-3

EFFECT OF ENTHALPY VARIATION ON ABLATING MATERIAL
NASA-TM-X-263 N63-14765 11-1

FREE FLIGHT TESTS OF LIFTING SURFACE REENTRY VEHICLES AT MACH 0.6 TO 1.5
NASA-TM-X-437 N63-14766 11-0

LIFTING SURFACE FOR REENTRY VEHICLES - FLUTTER OF SAILS HAVING DELTA WING PLANFORMS
NASA-TM-X-355 N63-14772 11-3

ROTATING BODY VACUUM MOTION APPROXIMATION - RIGID SYMMETRICAL BODY WITH SPIN RATE AND INERTIA VARIANCES
NASA-TR-R-115 N63-14781 11-0

SPACECRAFT THERMAL SIMULATION
NASA-TN-D-1631 N63-14811 11-1

BODIES OF REVOLUTION IN FREE FLIGHT - ZERO-LIFT DRAG DATA

NASA-TR-R-100 N63-14871 11-02

MOTION OF PLASMA RING IN COAXIAL FLOW MAGNETIC FIELD - ACCELERATOR
NASA-TR-R-121 N63-14873 11-24

SURVEY OF AEROTHERMOELASTICITY - REENTRY VEHICLES, X-15 AIRCRAFT, STRUCTURAL DYNAMICS, THERMAL STRESS, VIBRATION AND PANEL FLUTTER
N63-14895 11-02

K-BAND TELEMETERING FOR RADIO INTERFERENCE - REENTRY COMMUNICATION IN EARTH ORBIT REENTRY VEHICLE
CP-63-663 N63-14953 11-08

WING AND FLAP LOADS OF V/STOL AIRCRAFT - WIND TUNNEL STUDY
NASA-TN-D-1634 N63-15050 11-04

SPHERES OF ABLATING MATERIAL SUBJECTED TO AERODYNAMIC HEATING TO DETERMINE PHYSICAL PROPERTY
NASA-TN-D-1635 N63-15051 11-13

AIRCRAFT VORTEX WAKES IN RELATION TO TERMINAL OPERATIONS AND TRAFFIC CONTROL
NASA-TN-D-1777 N63-15056 11-22

NASA SPACE RADIATION EFFECTS LABORATORY
N63-15125 11-10

PROTON BOMBARDMENT ON TRANSISTOR CIRCUITS AT 40 AND 440-MEV IN RADIATION BELT
N63-15126 11-25

ELECTRON IRRADIATION EFFECT ON MECHANICAL PROPERTIES OF COMPOSITE FOIL FOR INFLATABLE SATELLITES N63-15129 11-32

NASA PROGRAM FOR SPACE RADIATION EFFECT LABORATORY TO STUDY SPACE ENVIRONMENT FOR SPACE SYSTEM ENGINEERING
EP-63-678 N63-15165 11-29

AERODYNAMIC CHARACTERISTICS OF CANOPY PARAGLIDER FOR INSTRUMENT RECOVERY - MACH NUMBER, ANGLE OF ATTACK, SIDESLIP ANGLE
NASA-TN-D-1776 N63-15235 11-03

GEOMETRY OF LUNAR ORBITS FROM EARTH-MOON TRAJECTORY
NASA-TN-D-1780 N63-15236 11-29

MEASURING HUMAN TRANSFER FUNCTIONS - DETERMINATION OF VARIABLE GAINS USING ANALOG AUTOPILOT AND HUMAN PILOT OPERATING FLIGHT SIMULATOR CONTROLS
NASA-TN-D-1782 N63-15241 11-14

STABILITY ANALYSIS OF SKID-ROCKET LANDINGS OF SPACECRAFT
NASA-TN-D-1625 N63-15302 12-30

ABILITY OF SEVERAL ABLATING MATERIALS TO REDUCE SURFACE HEAT TRANSFER IN ELECTRIC ARC HEATED AIRSTREAM
NASA-TN-D-1520 N63-15303 12-13

LUNAR ORBIT RENDEZVOUS SCHEME - MISSION ANALYSIS
NASA-TN-D-1623 N63-15304 12-29

SKID LANDING OF SPACECRAFT MODELS ON HEAT SHIELD
NASA-TN-D-1624 N63-15305 12-30

LIFTING TRAJECTORY FOR ABORTING VEHICLE AT DYNAMIC PRESSURE OF A LUNAR MISSION
NASA-TN-D-1775 N63-15306 12-29

STATIC AERODYNAMIC CHARACTERISTICS OF THREE-STAGE TRAILBLAZER II ROCKET VEHICLE DETERMINED IN LOW TURBULENCE PRESSURE WIND TUNNEL
NASA-TN-D-1786 N63-15307 12-02

AERODYNAMIC CHARACTERISTICS OF TOWED BODIES - SPHERES, CONES, AND CONICAL RINGS - DECELERATORS AT SUPERSONIC SPEEDS
NASA-TN-D-1789 N63-15308 12-02

SUBSONIC HIGH TEMPERATURE ARC HEATED WIND TUNNEL TESTS FOR STRUCTURAL MATERIALS
NASA-TN-D-1621 N63-15345 12-10

FLOW ANGLES IN VICINITY OF LIFTING FOREBODIES AT MACH 2.01
NASA-TN-D-1640 N63-15389 12-03

ABLATION MATERIAL FOR HEAT RESISTANCE AGAINST HIGH THERMAL FLUX N63-15462 12-13

MOTION OF PLASMA RING THROUGH VARIOUS TRAVELING MAGNETIC-WAVE PLASMA ACCELERATORS
NASA-TN-D-1636 N63-15472 12-24

DIRECT FLOW VELOCITY MEASUREMENTS IN LOW DENSITY PLASMA
NASA-TN-D-1783 N63-15501 12-24

PRESSURE AND HEAT-TRANSFER MEASUREMENTS OF FLAT FACE OF BLUNTED 10 DEG HALF-CONE BODY OR SEMIDISK AT MACH 6.15
NASA-TN-D-1628 N63-15507 12-13

EFFECT OF NOSE BLUNTNESS, FINENESS RATIO, CONE ANGLE, AND MODEL BASE ON AERODYNAMIC CHARACTERISTICS OF BLUNT BODIES
NASA-TN-D-1781 N63-15527 12-02

MOVING-COCKPIT-SIMULATOR STUDY OF PILOT PERFORMANCE DURING REENTRY AT PARABOLIC VELOCITY
NASA-TN-D-1797 N63-15562 12-10

AERODYNAMIC CHARACTERISTICS AT HYPERSONIC SPEED OF 5TH STAGE SCOUT REENTRY VEHICLES AT MACH 0.6 TO 24.4 - REYNOLDS NUMBER EFFECTS
NASA-TN-D-1638 N63-15694 12-31

LIFE SUPPORT SYSTEMS FOR MANNED SPACECRAFT
CP-63-693 N63-15707 12-16

BOUNDARY LAYER DISPLACEMENT EFFECTS IN AIR AT MACH 6.8 AND 9.6
NASA-TR-R-22 N63-15762 12-11

ALUMINUM METEOROID BUMPERS - IMPACT TESTS
NASA-TN-D-1784 N63-15772 13-18

HELIUM CONCENTRATION OF VENT EXHAUSTING HELIUM AT SONIC VELOCITY INTO SUPERSONIC STREAM OF AIR
NASA-TN-D-1787 N63-15773 13-26

MANEUVER ACCELERATION OF COMMERCIAL TURBOJET TRANSPORT AIRPLANE
NASA-TN-D-1801 N63-15774 13-04

ORBITAL ERROR ANALYSIS OF SCOUT RESEARCH VEHICLE
NASA-TN-D-1639 N63-15779 13-31

STRUCTURES FOR MANNED ENTRY VEHICLES
N63-16060 13-34

WIND-TUNNEL INVESTIGATION OF LONGITUDINAL AND LATERAL AERODYNAMIC CHARACTERISTICS OF HYPERSONIC GLIDER WITH SEVERAL BOOSTER CONFIGURATIONS
NASA-TM-X-345 N63-16137 13-02

EFFECT OF AIR BLEED ON HEAT TRANSFER AND PRESSURE DISTRIBUTION ON CONICAL FLARES AT SUPERSONIC SPEEDS
NASA-TM-X-439 N63-16139 13-03

STABILITY AND CONTROL OF SUPERSONIC VTOL AIRPLANE MODEL HAVING BROAD FUSELAGE AND SMALL DELTA WING
NASA-TM-X-441 N63-16140 13-04

QUALITATIVE EVALUATION OF EFFECT OF HELICOPTER ROTOR-BLADE TIP VORTEX ON BLADE AIRLOADS
NASA-TN-D-1637 N63-16160 13-03

BOND DISSOCIATION ENERGY, IONIZATION POTENTIAL AND ELECTRON AFFINITY VALUES FOR CHEMICALLY REACTIVE MOLECULES AT HIGH TEMPERATURES
NASA-TN-D-1791 N63-16164 13-07

EFFECT OF AERODYNAMIC HEATING ON FLUTTER OF ARROW WINGS
NASA-TN-D-1788 N63-16185 13-03

AERODYNAMIC EFFECTS AHEAD OF RECTANGULAR SONIC JETS EXHAUSTING FROM A FLAT PLATE

NASA-TN-D-1800 N63-16186 13-11

AERODYNAMIC FORCES AND MOMENTS OF OSCILLATING CONTROL SURFACES AT TRANSONIC SPEEDS
NACA-RM-L57D22B N63-16237 13-03

FACTORS AFFECTING LOADS AT HYPERSONIC SPEEDS
NACA-RM-L57D25A N63-16238 13-33

LOAD DISTRIBUTION ON CONTROLS AND WING SURFACES
NACA-RM-L57D26A N63-16239 13-33

CALCULATION OF EXTERNAL-STORE LOADS AND CORRELATION WITH EXPERIMENT
NACA-RM-L57D30A N63-16240 13-33

HEAT TRANSFER ON CONCAVE HEMISPHERICAL NOSE SHAPE WITH UNSTEADY FLOW EFFECT
NACA-RM-L58D25A N63-16241 13-13

INDUCED FLUID FLOW - LIFT AND DRAG THEORY OF NONPLANAR LIFTING SURFACES
NASA-TR-R-139 N63-16288 13-03

LAUNCH VEHICLE MODELS FOR MANNED LUNAR SPACE FLIGHT - BUFFET PRESSURE TEST
NASA-TN-D-1633 N63-16289 13-02

HEAT TRANSFER AND PRESSURE DISTRIBUTION OVER REENTRY CONFIGURATION FOR FIVE-STAGE SCOUT VEHICLE
NASA-TN-D-1790 N63-16294 13-30

FACTORS AFFECTING FLUTTER CHARACTERISTICS CALCULATED FOR TWO SWEPT WINGS
NASA-TN-D-1794 N63-16295 13-32

PLUG NOZZLE PROPULSION EFFICIENCY
NASA-TN-D-1804 N63-16297 13-02

AERODYNAMIC COEFFICIENTS FOR CONES AND SPHERES
NASA-TR-R-127 N63-16425 14-02

EFFECTS OF SIMULATED BENDING AND FOURTH-STAGE SIZE ON LOCAL PRESSURES AND NORMAL FORCE DISTRIBUTIONS OF SCOUT VEHICLE MODEL AT MACH 3.10
NASA-TN-D-1799 N63-16427 14-02

EFFECTS ON AERODYNAMIC STABILITY OF MODIFYING WING INBOARD TRAILING-EDGE CAMBER OF MODEL AT HIGH SUBSONIC SPEED
NASA-TN-D-1809 N63-16428 14-03

VIBRATIONAL-NONEQUILIBRIUM FLOW OF NITROGEN IN HYPERSONIC NOZZLE
NASA-TN-D-1810 N63-16745 14-11

PREDICTION AND MEASUREMENT OF NATURAL VIBRATIONS OF MULTISTAGE LAUNCH VEHICLES
N63-16800 14-30

LONGITUDINAL RANGE OF SPACE VEHICLE DURING REENTRY USING VARIABLE PITCH CONTROL, CONSTANT ALTITUDE
NASA-TN-D-1811 N63-16991 15-30

COMPARISON OF STEADY-STATE AND SIX-DEGREE-OF-FREEDOM ANALYSIS OF PITCH-ROLL RESONANCE CONDITIONS FOR LONG SLENDER SOUNDING ROCKET
NASA-TN-D-1816 N63-16992 15-32

EFFECT OF VERTICAL TAIL MODIFICATIONS ON STATIC STABILITY OF VTOL SUPERSONIC AIRCRAFT
NASA-TM-X-519 N63-17165 15-04

PROTECTION AGAINST SOLAR FLARE PROTONS
N63-17171 15-28

FLOW PAST LOW-FINENESS RATIO BLUNT BODIES AT TRANSONIC SPEEDS
NASA-TM-X-169 N63-17253 15-02

AERODYNAMIC AND HYDRODYNAMIC CHARACTERISTICS OF PROPOSED SUPERSONIC MULTIJET SEAPLANE WITH VARIABLE INCIDENCE WING
NASA-TM-X-249 N63-17254 15-02

DELTA WING PLANFORM TESTS IN HYPERSONIC WIND TUNNEL - LONGITUDINAL STABILITY AND CONTROL
NASA-TM-X-240 N63-17255 15-02

CENTER-LINE PRESSURE DISTRIBUTION ON TWO-DIMENSIONAL BODIES
NASA-TN-D-1793 N63-17301 15-

AERODYNAMIC CHARACTERISTICS IN PITCH OF SEVERAL WING-BODY COMBINATIONS WITH WEDGE-SHAPED PLANFORM LOCATED ABOVE AND BELOW A SWEPT DELTA WING
NASA-TN-D-1823 N63-17302 15-

MECHANICAL PROPERTIES AND METALLURGICAL CHARACTERISTICS OF CHROMIUM AND MAGNESIUM OXIDE COMPOSITE
NASA-TN-D-1785 N63-17340 15-

AERODYNAMIC CHARACTERISTICS OF VARIABLE-WING-SWEEP CONFIGURATION WITH SPOILER-SLOT-DEFLECTOR CONTROL SYSTEM & SWEPT BACK OUTER WING PANELS
NASA-TM-X-273 N63-17450 15-

EPHEMERIS FOR STABLE LIBRATION POINTS OF EARTH-MOON SYSTEM
NASA-TM-X-814 N63-17455 15-

SUPERSONIC WIND TUNNEL TESTING - SCOUT VEHICLE FIN LOAD AND TIP CONTROL HINGE MOMENTS
NASA-TM-X-239 N63-17464 15-

ROLLING STABILITY DERIVATIVES OF HYPERSONIC GLIDERS AT SUBSONIC SPEEDS
NASA-TM-X-268 N63-17465 15-

TRANSONIC WIND TUNNEL TESTS FOR AERODYNAMIC CHARACTERISTICS OF WING-BODY CONFIGURATIONS
NASA-TN D-1947 N63-17545 16-

CATALYST BEDS FOR 98-PERCENT-CONCENTRATION HYDROGEN PEROXIDE DECOMPOSITION
NASA-TN-D-1808 N63-17548 16-

SPACE VEHICLE ENVIRONMENT SIMULATION
N63-17734 16-3

AEROELASTICITY - METHODS OF MEASURING STRUCTURAL INFLUENCE COEFFICIENTS N63-17817 16-3

HELICOPTERS - ROTOR AERODYNAMICS, PROPULSION AND DRAG, STABILITY AND CONTROL, STRESSES AND LOADS, VIBRATION, AND FLUTTER N63-17987 16-

WIND TUNNEL INVESTIGATION OF STATIC AERODYNAMIC CHARACTERISTICS OF MERCURY CAPSULE MODEL AT TRANSONIC SPEEDS
NASA-TM-X-292 N63-17988 16-

AERODYNAMIC CHARACTERISTICS OF MERCURY CAPSULE AT SUPERSONIC SPEED
NASA-TM-X-291 N63-17990 16-

HIGH ALTITUDE PARACHUTE TESTING - SPACE CAPSULE RECOVERY
NASA-TM-X-232 N63-17991 16-

WIND TUNNEL INVESTIGATION OF STATIC AERODYNAMIC CHARACTERISTICS OF SCALE MODEL OF REENTRY CAPSULE
NASA-TM-X-233 N63-17992 16-

PRESSURE DISTRIBUTION ON MODELS OF PROJECT MERCURY CAPSULE AT MACH 1.60 TO 6.01
NASA-TM-X-336 N63-17994 16-

DYNAMIC STABILITY OF PROJECT MERCURY TEST CAPSULE DURING REENTRY - DISPERSION AT TRANSONIC SPEED FOR PARACHUTE DEPLOYMENT
NASA-TM-X-350 N63-17995 16-

STATIC STABILITY EVALUATION OF MERCURY CAPSULE IN WIND TUNNEL AT TRANSONIC, SUPERSONIC AND HYPERSONIC SPEED
NASA-TM-X-433 N63-18038 16-

MERCURY CAPSULE AT SUBSONIC SPEED WITH AND WITHOUT DROGUE PARACHUTE - DYNAMIC MODEL TESTS
NASA-TM-X-459 N63-18040 16-

STABILITY & CONTROL OF AIRCRAFT - AERODYNAMIC LOADING
NACA-RM-L57D18A N63-18041 16-

FLUTTER ANALYSIS OF BUCKLED CURVED PANELS AT

TRANSONIC AND SUPERSONIC SPEEDS
NASA-MEMO-5-18-59L N63-18042 16-33

EFFECT OF TARGET TEMPERATURE ON PROJECTILE PENETRATION AND CRATERING
NACA-RM-L58E14 N63-18043 16-18

STATIC STABILITY AND CONTROL OF HYPERSONIC GLIDERS
NACA-RM-L58E12A N63-18044 16-04

DYNAMIC LATERAL STABILITY AND CONTROL OF HIGH PERFORMANCE HYPERSONIC AIRCRAFT
NACA-RM-L58E16 N63-18046 16-04

SUBSONIC, STATIC & DYNAMIC STABILITY OF FLAT PLATE DELTA WING WITH LEADING EDGE SWEEP ANGLE OF 70 TO 84-DEG
NASA-TN-D-1822 N63-18129 16-03

DEFLECTION AND STRESS CALCULATIONS OF MEMBRANE DEFLECTED BY MOVING MASS
NASA-TN-D-1928 N63-18132 16-30

HIGH TEMPERATURE NICKEL ALLOY CONTAINING THORIUM OXIDE - OXIDATION RESISTANCE AND FABRICATION STUDIES
NASA-TN-D-1944 N63-18133 16-18

RANDOM VARIATION OF ALTITUDE OF COMMERCIAL AIR TRANSPORTS USING AUTOPILOT ALTITUDE CONTROL
NASA-TN-D-1950 N63-18134 16-22

PRESSURE DISTRIBUTION ON BLUNT DELTA WINGS AT ANGLES OF ATTACK TO 90 DEG AND MACH 6.85 FOR LIFT CONTROL OF WINGED REENTRY VEHICLES
NASA-TN-D-1954 N63-18135 16-03

SURFACE PRESSURE ON DELTA WINGS WITH ROUNDED LEADING EDGES AND CORNERS AT HYPERSONIC SPEEDS
NASA-TN-D-1959 N63-18136 16-03

HEAT TRANSFER, TEMPERATURE DISTRIBUTION AND WALL STATIC PRESSURE OF CIRCULAR CYLINDER IN SUPERSONIC WIND TUNNEL
NASA-TR-R-104 N63-18137 16-13

TABLES FOR THE INTEGRAL OF A CIRCULAR BIVARIATE FREQUENCY DISTRIBUTION FUNCTION
NASA-TN-D-1819 N63-18160 16-20

HYPERSONIC WIND TUNNEL TESTING OF TRAILBLAZER I REENTRY RESEARCH VEHICLE - AERODYNAMIC CHARACTERISTICS
NASA-TN-D-1936 N63-18163 16-02

LIGHTWEIGHT PITCH CONTROL FOR SPIN STABILIZED SPACE VEHICLES - FLIGHT TEST
NASA-TN-D-1922 N63-18210 16-30

PRESSURE DISTRIBUTION ON FLAT PLATE WITH SUPERSONIC JET EXHAUSTING NORMAL TO SURFACE - SECOND JET INTERFERENCE FOR DIRECTIONAL CONTROL
NASA-TN-D-1935 N63-18211 16-33

MODIFIED-STRIP-ANALYSIS FLUTTER CALCULATIONS FOR FINITE SPAN WINGS AT SUPERSONIC SPEEDS
NASA-TN-D-1824 N63-18234 17-03

G-FORCES FROM GUST ACCELERATION OF TWIN ENGINE TURBOPROP AIRCRAFT
NASA-TN-D-1925 N63-18235 17-04

MATHEMATICAL MODEL FOR EXTREME VALUE OF WIND-VELOCITY PROFILE BASED ON MULTIVARIATE GAUSSIAN DISTRIBUTION OF HORIZONTAL COMPONENT
NASA-TN-D-1813 N63-18461 17-33

FREE FLIGHT SURFACE PRESSURE NOISE MEASUREMENTS FOR SCOUT LAUNCH VEHICLE AT SUPERSONIC SPEEDS WITH VARYING FREE STREAM PRESSURES AND REYNOLDS NUMBERS
NASA-TN-D-1818 N63-18462 17-08

FLIGHT CONDITIONS AT LUNAR SPHERE OF INFLUENCE - EARTH-MOON TRAJECTORY ANALYSIS
NASA-TN-D-1820 N63-18463 17-22

WIND TUNNEL TESTS TO DETERMINE EFFECT OF FIN SIZE, FIN CANT, AND AUXILIARY ROCKET ENGINES ON ROCKET VEHICLE CONFIGURATIONS AT MACH 1.80 TO 4.63
NASA-TN-D-1929 N63-18467 17-02

STATIC LATERAL AND LONGITUDINAL STABILITY CHARACTERISTICS OF MODELS OF BLUE SCOUT AND BLUE SCOUT, JR. RESEARCH VEHICLES
NASA-TN-D-1931 N63-18468 17-02

TRAJECTORY ANALYSIS OF SMALL VARIABLE-DRAG PAYLOAD EJECTED AT LOW VELOCITY FROM VEHICLE IN LOW EARTH ORBIT
NASA-TN-D-1938 N63-18469 17-22

CROSS FLOWS IN LAMINAR COMPRESSIBLE BOUNDARY LAYERS
NASA-TR-R-107 N63-18471 17-11

SEMISPAN TILTING-PROPELLER CONFIGURATION & EFFECT OF RATIO OF WING CHORD TO PROPELLER DIAMETER ON SMALL CHORD CONFIGURATIONS AT TRANSITION SPEEDS
NASA-TN-D-1815 N63-18499 17-03

AERODYNAMIC LOADING CHARACTERISTICS OF MODEL THREE-STAGE SCOUT VEHICLE AT MACH 1.57 TO 4.65 - WIND TUNNEL TESTS
NASA-TN-D-1930 N63-18500 17-02

OPERATING PROBLEMS AND AERODYNAMIC CHARACTERISTICS OF TILT DUCT, FIXED WING, VERTICAL TAKEOFF AND LANDING AIRCRAFT
NASA-TN-D-1802 N63-18658 17-04

THERMAL PROTECTION MATERIALS - REENTRY APPLICATIONS INVOLVING LONG HEAT PERIODS AND HIGH TOTAL HEAT LOADS
NASA-TN-D-1814 N63-18659 17-19

EFFECT OF ROUGH AIR ON CREW PERFORMANCE DURING SIMULATED LOW ALTITUDE HIGH SPEED FLIGHT
NASA-TN-D-1924 N63-18665 17-14

EFFECT OF FABRICATION TYPE SURFACE ROUGHNESS ON BOUNDARY LAYER TRANSITION - TESTS ON OGIVE CYLINDER MODELS AT MACH 1.61 TO 2.01
NASA-TN-D-1933 N63-18666 17-03

CABLE RIGGING AND AERODYNAMIC CHARACTERISTICS OF PARAWING-SPACECRAFT COMBINATION
NASA-TN-D-1937 N63-18667 17-03

SIGNAL LOSS DUE TO ATTENUATION AND REFLECTION BY INVISCID EQUILIBRIUM PLASMA SHEATH FOR SPHERICALLY BLUNTED CONES AT HYPERSONIC SPEEDS
NASA-TN-D-1778 N63-18770 17-24

FATIGUE CRACK PROPAGATION PATTERNS FROM VARIABLE-AMPLITUDE LOADINGS ON 2024-T4 ALUMINUM ALLOY
NASA-TN-D-1803 N63-18771 17-33

LANDING & IMPACT CHARACTERISTICS OF REENTRY VEHICLE HAVING MULTIPLE-AIR BAG LOAD-ALLEVIATION SYSTEM - DYNAMIC TEST MODEL
NASA-TN-D-1934 N63-18772 17-30

STATIC STRENGTH OF STIFFENED SHEET WITH CENTRAL NOTCH - TESTING OF TWO ALUMINUM ALLOYS
NASA-TN-D-1943 N63-18773 17-18

TIME OPTIMAL CONTROL LAW FOR LUNAR ORBITAL RENDEZVOUS PROBLEM BY PONTRYAGIN MAXIMUM PRINCIPLE
AIAA PAPER-63-361 N63-18795 18-20

NOSE BLUNTNESS, CONE ANGLE, MACH NUMBER VARIATION, FINENESS RATIO, AND BASE SHAPE EFFECTS ON AERODYNAMIC CHARACTERISTICS OF SHORT, BLUNT CONES
NASA-TN-D-1926 N63-18889 18-02

STRUCTURES AND STRUCTURAL COMPOSITE MATERIALS FOR MANNED ORBITAL SPACE STATIONS
N63-18904 18-32

PROPELLER WHIRL INSTABILITY IN V/STOL AIRCRAFT - PROPELLER THRUST, ANGLE OF ATTACK AND FLAPPING EFFECTS
N63-19169 18-04

PILOT ERROR IN SPACE RENDEZVOUS MANEUVER FROM NOISE INTERFERENCE OF RADAR SYSTEM
NASA-TN-D-1619 N63-19176 18-14

AERODYNAMIC CHARACTERISTICS OF ELASTIC CANARD

FUSELAGE CONFIGURATION OF NUCLEAR POWERED AIRPLANE IN AIR AND FREON-12 AT MACH NUMBERS UP TO 0.92
NASA-TN-D-1792 N63-19178 18-03

GUIDANCE SCHEME USING APPROXIMATE SOLUTIONS OF TRAJECTORY EQUATIONS TO CONTROL THE AERODYNAMIC SKIP FLIGHT OF REENTRY VEHICLE
NASA-TN-D-1923 N63-19180 18-30

PROPELLANT REQUIREMENTS TO SUSTAIN SPACE VEHICLE IN CIRCULAR EARTH ORBIT IN ALTITUDE RANGE OF 160 TO 300 MILES
NASA-TN-D-1817 N63-19275 18-27

MOON TO EARTH TRAJECTORIES SATISFYING SPECIFIED EARTH REENTRY CONDITIONS
NASA-TN-D-1939 N63-19276 18-29

RESONANT FREQUENCIES AND MODE SHAPES OF DOUBLE CONICAL SANDWICH DISCS WITH RADIAL SYMMETRY - VIBRATION TESTING
NASA-TN-D-1940 N63-19277 18-34

MEASUREMENT OF RESPONSE OF LIGHT AIRCRAFT TO SONIC BOOMS
NASA-TN-D-1941 N63-19278 18-04

COUPLED DYNAMIC RESPONSE OF PARTIALLY-FILLED TANK UNDER FREE AND FORCED PLANAR OSCILLATIONS
NASA-TN-D-1945 N63-19279 18-33

COMPUTER SIMULATION FOR ORBITAL SPACE FLIGHT
N63-19472 19-01

POWERPLANT AUTOPRECESSION ON TURBOPROPELLER TRANSPORT AIRCRAFT
NASA-TN-D-1806 N63-19604 19-03

DEPLOYMENT, DYNAMIC STABILITY, AND CONTROL CHARACTERISTICS OF PARAWING-ROCKET BOOSTER MODEL USING RADIO-CONTROL FREE-FLIGHT TECHNIQUE
NASA-TN-D-1932 N63-19607 19-31

NUMERICAL INTEGRATION OF NONEQUILIBRIUM SUPERSONIC FLOW OVER CONES & WEDGES
NASA-TN-D-1942 N63-19608 19-11

CONTROL OF LARGE LAUNCH VEHICLE WITH LIMITED THRUST VECTORING IN PRESENCE OF WINDS
NASA-TN-D-1951 N63-19609 19-30

WIND-TUNNEL MEASUREMENT OF PROPELLER WHIRL-FLUTTER SPEEDS AND STATIC-STABILITY DERIVATIVES AND COMPARISON WITH THEORY
NASA-TN-D-1807 N63-19652 19-23

WIND TUNNEL STABILITY AND CONTROL TESTS OF FLEXIBLE WING MANNED AIRCRAFT - PARAWING
NASA-TN-D-1946 N63-19736 19-04

LOW SPEED WIND SWEEP EFFECT ON PARAWINGS WITH EQUAL-LENGTH LEADING EDGES & KEEL - AERODYNAMIC CHARACTERISTICS
NASA-TN-D-1957 N63-19737 19-03

AIRCRAFT STATIC PRESSURE SYSTEM CALIBRATION BY GROUND CAMERA AND GROUND RADAR METHODS
NASA-TN-D-2012 N63-19858 19-33

APOLLO/LEM MISSION - REQUIREMENTS OF ORBITAL RENDEZVOUS, IN-TRANSIT RENDEZVOUS, & PLANETARY RENDEZVOUS
AIAA PAPER-63-353 N63-20031 19-29

ENGINEERING ASPECTS OF FATIGUE CRACK PROPAGATION - METALLURGY
N63-20093 20-18

EXPLORER XVI MICROMETEOROID SATELLITE - DATA & RESULTS
NASA-TM-X-899 N63-20334 20-32

LOW-SPEED LONGITUDINAL STATIC STABILITY & CONTROL CHARACTERISTICS OF AIRCRAFT WITH SWEPT WINGS & TAIL SURFACES OUTBOARD OF WING TIPS
NASA-MEMO-6-11-59L N63-20484 20-02

TRANSONIC FLUTTER OF ALL-MOVABLE HORIZONTAL TAIL - BENDING & PITCHING MOMENTS
NACA-RM-L56G06 N63-20526 20-33

PERFORMANCE OF SEMIELLIPTICAL SCOOP INLET AT SUPERSONIC SPEEDS
NACA-RM-L57G15 N63-20527 20-0[illegible]

STABILITY DERIVATIVES AFFECTING LATERAL BEHAVIOR OF AIRCRAFT AND MISSILES
NACA-RM-L53108A N63-20528 20-02

SKIN TEMPERATURE AND SURFACE PRESSURE OF BLUNTED CONE-CYLINDER-FLARE CONFIGURATION FREE FLIGHT TEST VEHICLE TO HYPERSONIC SPEEDS
NACA-RM-L58G21 N63-20529 20-13

FREE FLIGHT AERODYNAMIC HEAT TRANSFER TO GLIDE-ROCKET CONFIGURATION AT MACH 10
NACA-RM-L58G03 N63-20530 20-1[illegible]

AERODYNAMIC CHARACTERISTICS OF LOW-ASPECT-RATIO WINGS AT SUPERSONIC SPEEDS
NACA-RM-L53I23 N63-20533 20-03

MERCURY CAPSULE HEAT SHIELD - HEAT TRANSFER AND PRESSURE COEFFICIENTS AT SUPERSONIC SPEEDS
NASA-TM-X-522 N63-20537 20-32

MODIFIED CLUSTERED JET-EXIT ARRANGEMENTS AT SUPERSONIC SPEEDS
NASA-TM-X-540 N63-20538 20-27

STATIC AERODYNAMIC CHARACTERISTICS OF MODIFIED MERCURY ESCAPE AND EXIT CAPSULE CONFIGURATIONS AT MACH NUMBERS 0.30 TO 1.4
NASA-TM-X-547 N63-20539 20-02

ANEMOMETER FOR UNSTEADY WIND VELOCITY MEASUREMENTS
N63-20581 20-15

V/TOL AIRCRAFT FLIGHT TEST WITH UNSHROUDED PROPELLERS - STATIC & DYNAMIC STABILITY DURING HOVERING & FLYING
NASA-TN-D-1965 N63-20607 20-04

SIMULATOR STUDY OF AEROSPACE REQUIREMENTS FOR SUPERSONIC TRANSPORT
NASA-TN-D-1964 N63-20890 21-04

EXPERIMENT AND THEORY OF SUPERSONIC FLUTTER IN PANELS - LENGTH/WIDTH AND STRESS RATIOS TO PREVENT FLUTTER OF VARIOUS THICKNESSES AT MACH 3
NASA-TN-D-1948 N63-21055 21-33

EFFECTS OF PEAK DECELERATION ON RANGE SENSITIVITY FOR MODULATED LIFT REENTRY
NASA-TN-D-1955 N63-21056 21-32

AERODYNAMIC DAMPING OF 0.02 SCALE SATURN SA-1 MODEL VIBRATING IN FIRST FREE-FREE BENDING MODE
NASA-TN-D-1956 N63-21057 21-02

FLUTTER OF SIMPLY SUPPORTED ORTHOTROPIC PANELS AT SUPERSONIC SPEEDS
NASA-TN-D-1949 N63-21065 21-33

REENTRY GUIDANCE AND CONTROL IN NEAR-EARTH ORBITS AND NEAR ESCAPE VELOCITY AS WELL AS IN DEEP SPACE AND AT VELOCITIES IN EXCESS OF ESCAPE VELOCITY
AIAA PAPER 63-318 N63-21316 21-30

JET VTOL AND STOL TACTICAL AIRCRAFT
N63-21482 22-04

RAREFIED GAS DYNAMICS - ELECTROMAGNETIC FORCES ON CONDUCTING NONFERROMAGNETIC SPHERICAL EARTH SATELLITE IN UPPER ATMOSPHERE
N63-21590 22-29

HELICOPTER ROTOR BLADE CHORDWISE PRESSURE DISTRIBUTION AND TWO-DIMENSIONAL AIRFOIL CHARACTERISTICS
N63-21830 22-04

TRANSONIC WIND-TUNNEL TEST OF STATIC AERODYNAMIC CHARACTERISTICS OF CONFIGURATIONS OF BLUE SCOUT LAUNCH VEHICLE
NASA-TN-D-1958 N63-21891 22-31

SURFACE PRESSURE DISTRIBUTION ON 0.0628 SCALE MODELS OF PROPOSED PROJECT FIRE SPACE VEHICLES
NASA-TN-D-1961 N63-21892 22-31

AUTOMATIC ATTITUDE CONTROL SYSTEM TEST FOR SATELLITE USING INERTIA WHEELS MOUNTED ON AIR BEARINGS
NASA-TN-D-1969 N63-21893 22-32

CALCULATION OF ELECTRON ENERGY DEPOSITION IN THIN-FILM POLYMERIC MATERIALS
NASA-TN-D-2010 N63-21896 22-19

ELECTROMAGNETIC SHOCK TUBE - LINEAR DISCHARGE TUBE FOR GENERATING STRONG SHOCKS IN AIR BY HIGH VOLTAGE SPARK
NASA-TN-D-1953 N63-22114 22-11

EFFECT OF CROSS SECTION SHAPE ON LOW SPEED AERO-DYNAMIC CHARACTERISTICS OF LOW-WAVE DRAG HYPER-SONIC BODY
NASA-TN-D-1963 N63-22115 22-02

WIND TUNNEL MEASUREMENTS, BLADE MOTIONS, AND BLADE AIR LOADS FOR TANDEM-ROTOR HELICOPTERS
NASA-TN-D-1971 N63-22116 22-03

HUMAN PILOT TRANSFER FUNCTION IN CLOSED LOOP SINGLE DEGREE OF FREEDOM ATTITUDE CONTROL SYSTEM
NASA-TN-D-1952 N63-22136 22-14

COMPUTING TRANSITION MATRICES BY UTILIZING CALCULATIONS FROM CIRCUMLUNAR TRAJECTORIES
NASA-TN-D-1812 N63-22708 23-22

SPECTROMETRIC MEASUREMENTS OF GAS TEMPERATURES IN ARC HEATED JETS AND TUNNELS
NASA-TN-D-1960 N63-22712 23-13

NATURAL FREQUENCIES OF UNIFORM RECTANGULAR CROSS SECTION FREE-FREE SANDWICH BEAMS
NASA-TN-D-1967 N63-22897 23-33

V/STOL WIND TUNNEL MODEL SIMULATING TRANSITION - WING PRESSURE MEASUREMENTS IN PROPELLER SLIPSTREAM
NASA-TN-D-2014 N63-22944 23-03

STATIC LONGITUDINAL AERODYNAMIC CHARACTERISTICS & SURFACE PRESSURE DISTRIBUTIONS OF FOUR-STAGE SCOUT VEHICLE MODEL
NASA-TN-D-2026 N63-22945 23-02

WATER-FILM COOLING OF 80-DEG TOTAL-ANGLE CONE AT MACH 2
NASA-TN-D-2029 N63-22946 23-02

FLAP-TYPE CONTROL SURFACE PROVIDING LONGITUDINAL TRIM & STABILITY
NASA-TN-D-2030 N63-22947 23-03

IN-FLIGHT SHOCK WAVE PRESSURE MEASUREMENTS ABOVE AND BELOW BOMBER AIRCRAFT AT MACH 1.42 TO 1.69
NASA-TN-D-1968 N63-23125 24-04

LATERAL RANGE & HYPERSONIC LIFT DRAG RATIO FOR EFFICIENT EARTH ORBIT FERRY SERVICE
N63-23222 24-02

FLEXIBLE WINGS RED - STABILITY & CONTROL OF PARA-GLIDERS AS DECELERATORS FOR SPACECRAFT RECOVERY
N63-23319 24-03

VIBRATION CHARACTERISTICS OF PRESSURIZED THIN-WALLED CIRCULAR CYLINDERS PARTLY FILLED WITH WATER
NASA-TR-R-145 N63-23358 24-11

DYNAMIC RESPONSE OF RISING AND FALLING BALLOON WIND SENSORS FOR ESTIMATES OF WIND LOADS ON LAUNCH VEHICLES
NASA-TN-D-1821 N63-23362 24-30

FLUTTER INVESTIGATION OF VERY LOW ASPECT-RATIO FLAT-PLATE SURFACES OF ALUMINUM ALLOY AT MACH 0.62 TO 3.00
NASA-TN-D-2038 N63-23363 24-02

ROLLING MOTION OF 79-DEG CLIPPED DELTA WING CONFIGURATION AT SUPERSONIC SPEED - FREE FLIGHT INVESTIGATION
NASA-TN-D-2017 N63-23652 24-30

SMOKE-TRAIL VEHICLE DEVELOPMENT FOR WIND SHEAR MEASUREMENTS
NASA-TN-D-2009 N63-23681 24-02

AEROELASTIC MODEL APPROACH FOR PREDICTION OF BUFFET BENDING LOADS ON LAUNCH VEHICLES
NASA-TN-D-2022 N63-23682 24-02

REYNOLDS NUMBER EFFECT ON INVISCID PRESSURE DISTRIBUTIONS & SHOCK SHAPES OF CYLINDRICAL BODIES WITH DIFFERENT NOSE SHAPES & DRAG COEFFICIENTS
NASA-TR-R-182 N63-23686 24-02

SUPERSONIC WIND TUNNEL DETERMINATION OF NOZZLE HINGE-MOMENT COEFFICIENTS FOR SATURN I WITH & WITHOUT JET FLOW
NASA-TN-D-1962 N63-23786 24-02

SEALING PROBLEMS WITH MANNED SPACECRAFT
NASA-RP-39 N63-23795 24-30

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. LAUNCH OPERATIONS CENTER, CAPE CANAVERAL, FLA.
LAUNCH VEHICLE AND FACILITY FOR MANNED LUNAR LANDING PROGRAM N63-16424 14-30

SATURN V LAUNCH FACILITY
NASA-TM-X-50245 N63-20243 20-10

MERCURY-REDSTONE LAUNCH VEHICLE DEVELOPMENT AND PERFORMANCE N63-21955 22-32

LAUNCH COMPLEX AND CHECKOUT FACILITIES FOR SATURN V LAUNCH VEHICLE APOLLO SPACECRAFT COMPLEX
AIAA PAPER-63-88 N63-22034 22-31

SATURN V/APOLLO SPACECRAFT LAUNCH OPERATION PLAN
AIAA PAPER-63087 N63-22036 22-01

LAUNCH COMPLEX & SERVICE STRUCTURE FOR SATURN LAUNCH VEHICLE
NASA-TM-X-50880 N63-22896 23-10

LAUNCH OPERATION CENTER REPORT - CAPE CANAVERAL SUPPORT OPERATIONS
NASA-TM-X-50889 N63-23026 24-14

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. LEWIS RESEARCH CENTER, CLEVELAND, OHIO.
EFFECT OF OXIDIZER PARTICLE SIZE ON ADDITIVE AGGLOMERATION
NASA-TN-D-1438 N63-10174 01-25

HEAT ADDITION IN THE EMPIRICAL CORRELATION OF VOID FRACTIONS FOR STEAM-WATER FLOW
NASA-TN-D-1440 N63-10175 01-13

A 90-DEGREE FLAT-PLATE TRIODE FOR DIRECT ENERGY CONVERSION - THERMIONICS
NASA-TN-D-1532 N63-10180 01-06

SAMPLING STUDIES DOWNSTREAM OF HYDROGEN-NITROUS OXIDE-DILUENT FLAMES
NASA-TN-D-1528 N63-10201 01-22

MATERIALS PROBLEMS WITH THE DESIGN OF RADIATORS FOR SPACE POWERPLANTS
ARS PAPER-2535-62 N63-10262 01-06

METEOROID PROTECTION FOR SPACE RADIATORS
ARS PAPER-2543-62 N63-10265 01-06

ANALYSIS OF A MEGAWATT LEVEL DIRECT CONDENSER-RADIATOR FOR SPACE POWER SYSTEM
ARS PAPER-2545-62 N63-10266 01-06

TWO-PHASE HEAT TRANSFER INSTABILITY FOR SUBCOOLED WATER FLOW AT ZERO GRAVITY
ARS PAPER-2548-62 N63-10268 01-06

THE LIQUID-VAPOR INTERFACE CONFIGURATION IN WEIGHTLESSNESS
ARS PAPER-2514-62 N63-10326 01-26

EXPERIMENTAL PERFORMANCE OF AN ION ROCKET ENGINE USING A POROUS-TUNGSTEN EMITTER
NASA-TN-D-1321 N63-10327 01-27

CAVITATION AND NONCAVITATION PERFORMANCE OF A FLAT PLATE HELICAL INDUCER

NASA-TN-D-1439 N63-10336 01-11

POSITRONIUM LIFETIME IN CONDENSED HYDROGEN
N63-10489 01-23

EFFECT OF COMPOSITION ON COMBUSTION OF SOLID PROPELLANTS DURING A RAPID PRESSURE DROP
NASA-TN-D-1559 N63-10627 02-26

INLETS WITH THROAT AND COWL BYPASSES FOR MATCHING A TWO-DIMENSIONAL VARIABLE GEOMETRY
NASA-MEMO-2-6-59E N63-10629 02-02

HEAT TRANSFER TO A SPHERE WITH A RETROROCKET EXHAUSTING INTO A FREESTREAM
NASA-TN-D-1535 N63-10733 02-13

GUIDANCE PERTURBATIONS FOR A LOW-THRUST MARS ORBIT MISSION USING SNAP-8
NASA-TN-D-1433 N63-10734 02-22

SPACE CHARGE-FLOW THEORY AND ELECTRODE DESIGN FOR ELECTROSTATIC ROCKET ENGINES
NASA-TN-D-1461 N63-10735 02-27

ION ROCKET, ELECTRON BOMBARDMENT WITH ALTERNATING-CURRENT SUPPLIES
NASA-TN-D-1457 N63-10881 02-27

EFFECT OF HYDROGEN ON STRESS-RUPTURE AND FATIGUE OF AN IRON-, NICKEL-, AND COBALT-BASE ALLOY
NASA-TN-D-1458 N63-10898 02-33

RESISTANCE HEATED HYDROGEN JET PROPULSION RESEARCH
N63-10971 02-27

ELECTRON-BOMBARDMENT ION ROCKET - IONIC PROPULSION
N63-10972 02-27

BEAM NEUTRALIZATION TESTS OF ELECTRON BOMBARDMENT ENGINE MODEL IN SIMULATED SPACE ENVIRONMENT
ARS PAPER-2663-62 N63-11267 03-27

PREPARATION AND STORAGE STABILITY OF HIGH-PURITY HYDRAZINE - CALCIUM HYDRIDE TREATMENT
N63-11416 03-07

PRESSURE FLUCTUATIONS IN A WEAK TURBULENT FIELD WITH A UNIFORM TRANSVERSE VELOCITY GRADIENT
N63-11461 03-11

MELTING POINT MEASUREMENTS FOR THE TETRAMETHYL-AMMONIUM NITRATE-NITRIC ACID SYSTEM
N63-11496 03-07

ASTRONOMICAL INTEGRATION CODE - FORTRAN SOLUTION OF SPACE MECHANICS - COMPUTER PROGRAM
NASA-TN-D-1455 N63-11536 03-20

OPTIMUM LOW ACCELERATION TRAJECTORIES FOR INTERPLANETARY TRANSFER ORBITS
NASA-TN-D-1456 N63-11613 04-29

ANALOG STUDY OF DESCENTS FROM LUNAR ORBIT
NASA-TN-D-1530 N63-11615 04-29

RELATIVE IGNITABILITY OF SOLID PROPELLANTS EXPOSED TO CHLORINE TRIFLUORIDE
NASA-TN-D-1533 N63-11616 04-26

EFFECT OF MA-7 SPACECRAFT ACCELERATIONS AND REENTRY DECELERATIONS ON THE LIQUID-VAPOR INTERFACE IN A BAFFLED TANK
NASA-TN-D-1577 N63-11618 04-26

DESIGN OF PUMP IMPELLERS USING DIGITAL COMPUTER
NASA-TN-D-1562 N63-11680 04-17

NITROGEN AND OXYGEN RECOMBINATION AT OXIDE SURFACES, EFFECT OF TESLA DISCHARGE ON RECOMBINATION HEAT TRANSFER
NASA-TN-D-1567 N63-11742 04-13

JET EFFECTS ON ANNULAR BASE PRESSURE AND TEMPERATURE IN A SUPERSONIC STREAM
NASA-TR-R-125 N63-11779 04-02

PERIGEE PROPULSION FOR ORBITAL LAUNCH OF NUCLEAR ROCKETS
NASA-TR-R-140 N63-11781 04-27

SURFACE ENERGY EFFECT ON LIQUID-VAPOR INTERFACE CONFIGURATION DURING WEIGHTLESSNESS
NASA-TN-D-1582 N63-12160 05-26

RECOMBINATION AND CONDENSATION PROCESSES IN HIGH AREA RATIO NOZZLES N63-12178 05-26

PERFORMANCE OF TURBOJET IN COMBINATION WITH EXTERNAL-INTERNAL-COMPRESSION INLET AT SUPERSONIC SPEED
NASA-TM-X-254 N63-12191 05-01

COMPATIBILITY OF MOLTEN URANIUM DIOXIDE WITH REFRACTORY METALS
NASA-TN-D-1442 N63-12193 05-19

APPLICATION OF FIELD-ION EMISSION TO ELECTROSTATIC ROCKET ENGINES - IONIZATION LIFETIMES OF HYDROGEN, LITHIUM, SODIUM, RUBIDIUM, CESIUM, AND XENON
NASA-TN-D-1563 N63-12195 05-30

CAMERA STUDY OF TWO-PHASE FLOW IN VERTICAL TUBE WITH HEAT ADDITION
NASA-TN-D-1564 N63-12245 05-11

SYSTEM FOR RECORDING AND PROCESSING TRANSIENT-TYPE DATA
NASA-TN-D-1320 N63-12312 05-20

STRESS STATE IN TORICONICAL STRUCTURE OF CONSTANT WALL THICKNESS
NASA-TN-D-1565 N63-12479 06-33

THRUST AND PUMPING CHARACTERISTICS OF EJECTOR-TYPE EXHAUST NOZZLES AT SUBSONIC AND SUPERSONIC SPEEDS
NACA-RM-E54H19 N63-12506 06-02

LIMITATIONS ON TURBOJET ENGINE DESIGN BY TURBINES WITH DOWNSTREAM STATORS
NACA-RM-E54J14 N63-12507 06-27

PERFORMANCE CHARACTERISTICS OF SEVERAL DIVERGENT-SHROUD AIRCRAFT EJECTORS
NACA-RM-E55G21A N63-12508 06-02

EFFECT OF COMBUSTION GAS PROPERTIES ON TURBOJET ENGINE PERFORMANCE - ANALYSIS WITH HYDROGEN FUEL
NACA-RM-E55J17A N63-12509 06-26

EVALUATION OF FLAME HOLDERS FOR AFTERBURNERS WITH HIGH INLET VELOCITY
NACA-RM-E56D10 N63-12510 06-02

INJECTION TECHNIQUES FOR FLUORINE, OXYGEN, AND HEPTANE IN 200-POUND THRUST ROCKET ENGINE
NACA-RM-E56J11 N63-12511 06-26

FUEL-COOLED TURBINE BLADES WITH RETURN-FLOW TYPE OF FINNED COOLANT PASSAGES
NACA-RM-E57D03 N63-12512 06-11

CASCADE INVESTIGATION OF COOLING CHARACTERISTICS OF AIR-COOLED TURBINE BLADE FOR USE IN TURBOPROP ENGINE
NACA-RM-E57D19 N63-12513 06-27

ROTATING-STALL LIMITS IN SUPERSONIC TURBOFAN ENGINE
NACA-RM-E57G26A N63-12514 06-27

EFFECT OF PRESSURE LEVEL ON AFTERBURNER WALL TEMPERATURE
NACA-RM-E58D01 N63-12515 06-27

BLADE TEMPERATURES AND COOLANT PRESSURE LOSSES FOR CASCADE OF AIR-COOLED TURBINE ROTOR BLADES
NACA-RM-E58E20 N63-12516 06-02

OFF-DESIGN PERFORMANCE OF DIVERGENT EJECTORS
NACA-RM-E58G10A N63-12517 06-27

PERFORMANCE OF SUPERSONIC RAMP-TYPE SIDE INLET WITH RAM-SCOOP THROAT BLEED AND VARYING FUSELAGE BOUNDARY LAYER REMOVAL AT LOW SUPERSONIC SPEEDS
NACA-RM-E56I26 N63-12522 06-02

SUPERSONIC PERFORMANCE OF VARIABLE TWO-DIMENSIONAL

INLETS DESIGNED FOR ENGINE-INLET MATCHING
NACA-RM-E56H23 N63-12523 06-02

ANALYSIS OF AIR-TURBOROCKET ENGINE PERFORMANCE INCLUDING EFFECTS OF COMPONENT CHANGES
NACA-RM-E55H04A N63-12524 06-27

EFFECTS OF SECONDARY-AIR FLOW ON ANNULAR BASE FORCE OF SUPERSONIC AIRCRAFT
NACA-RM-E54G28 N63-12525 06-02

PUMPING CHARACTERISTICS OF VARIABLE GEOMETRY EJECTORS WITH HOT AND COLD PRIMARY NOZZLE FLOW
NACA-RM-E54G15 N63-12526 06-11

SIMPLIFIED THEORY FOR DYNAMIC RELATION OF RAMJET PRESSURES AND FUEL FLOW
NACA-RM-E57I13 N63-12527 06-11

SINGLE FUEL-VAPORIZING COMBUSTOR WITH INJECTORS ADAPTED FOR GASEOUS HYDROGEN
NACA-RM-E55I14 N63-12528 06-27

FULL-SCALE AND QUARTER-ANNULUS DUCT COMPARISONS OF SHORT TURBOJET COMBUSTOR PERFORMANCE WITH HYDROGEN FUEL
NACA-RM-E56D16 N63-12529 06-27

ALTITUDE EFFECTS ON CAN-TYPE FLAMEHOLDER IN RAMJET COMBUSTOR
NACA-RM-E54D08 N63-12530 06-27

COMBINED COMPRESSOR COOLANT INJECTION AND AFTERBURNING FOR TURBOJET ENGINE THRUST AUGMENTATION
NACA-RM-E54G08 N63-12531 06-27

INVESTIGATION OF HIGH SUBSONIC TURBINE WITH HIGH ROTOR BLADE SUCTION-SURFACE DIFFUSION
NACA-RM-E56I18 N63-12532 06-06

DESIGN OF AIRCRAFT FUEL TANKS FOR LIQUID HYDROGEN
NACA-RM-E55F22 N63-12535 06-26

ROCKET ENGINE STARTING WITH MIXED OXIDES OF NITROGEN AND LIQUID AMMONIA BY FLOW-LINE ADDITIVES
NACA-RM-E53F05 N63-12536 06-27

AILERON EFFECTIVENESS & DIHEDRAL EFFECT OF WING-BODY COMBINATION WITH VARIABLE-INCIDENCE WING & HALF-DELTA CONTROLS AT WING TIPS
NACA-RM-A50H10 N63-12537 06-02

CALCULATED PERFORMANCE OF A MERCURY-COMPRESSOR-JET POWERED AIRCRAFT USING NUCLEAR REACTOR AS ENERGY SOURCE
NACA-RM-E51F14 N63-12538 06-27

LOW-TEMPERATURE CHEMICAL STARTING OF COMBINED JP-4 NITRIC ACID PROPELLANT FOR LOW-THRUST ROCKET ENGINE USING THREE-FLUID PROPELLANT VALVE
NACA-RM-E55E04 N63-12540 06-27

LIQUID HYDROGEN AS JET FUEL FOR HIGH-ALTITUDE AIRCRAFT
NACA-RM-E55C28A N63-12541 06-26

FULL SCALE TURBOJET ENGINE TESTING OF FUELS - PENTABORANE-JP-4 MIXTURES AND TRIMETHYLBORATE AZEOTROPE PERFORMANCE
NACA-RM-E56G19 N63-12542 06-26

FLIGHT INVESTIGATION OF PENTABORANE FUEL IN 9.75-INCH-DIAMETER RAMJET ENGINE WITH DOWNSTREAM FUEL INJECTION
NACA-RM-E55G01 N63-12543 06-26

INJECTION TECHNIQUES FOR 200-POUND THRUST AMMONIA-OXYGEN ROCKET ENGINE
NACA-RM-E57H01 N63-12544 06-27

ANALYSIS OF THREE CYCLES FOR NUCLEAR PROPULSION OF AIRCRAFT
NACA-RM-E50H24 N63-12545 06-27

HUB-TIP RADIUS RATIO TRANSONIC TURBINE FOR SECONDARY FLOW - STATOR CONFIGURATIONS DESIGNED TO ELIMINATE BLADE WAKES AND SECONDARY-FLOW EFFECTS
NACA-RM-E57G08 N63-12546 06-02

HUB-TIP RADIUS RATIO TRANSONIC TURBINE FOR SECONDARY FLOW - TURBINE WITH LOW-VELOCITY TURNING STATOR AND STANDARD ROTOR
NACA-RM-E57E09 N63-12547 06-02

THRUST MODULATION TECHNIQUES - COLD FLOW TESTS OF THREE VARIABLE-THROAT-AREA CONVERGENT-DIVERGENT NOZZLES
NASA-TM-X-42 N63-12550 06-02

THRUST CHARACTERISTICS AND PRESSURE DISTRIBUTION OF CONVERGENT-DIVERGENT NOZZLES
NASA-TM-X-83 N63-12554 06-02

LUBRICATION CHARACTERISTICS OF BEARING STEEL IN LIQUID OXYGEN IN ROCKET ENGINES
NASA-TN-D-1580 N63-12591 06-17

HEAT TRANSFER FROM FLAT PLATE TO AIRSTREAM HAVING LARGE AMPLITUDE OSCILLATIONS
NASA-TR-R-142 N63-12597 06-13

EXPERIMENTAL STUDY OF BALLISTIC-MISSILE BASE HEATING WITH OPERATING ROCKET
NACA-RM-E58G17 N63-12691 06-27

MICROPOWER TRANSISTOR LOGIC CIRCUITS FOR SPACEBORNE COMPUTERS
NASA-TN-D-1462 N63-12704 06-09

INCREASE IN TRANSITION TIME EXPLAINED BY EXISTENCE OF DISTURBANCE ON SHOCK TUBE WALLS
N63-12749 06-11

EFFECT OF HIGH ALTITUDE ON PERFORMANCE & OPERATING CHARACTERISTICS OF TURBOJET ENGINES WITH HYDROGEN AND JP-4 FUELS
NACA-RM-E56E14 N63-12907 07-27

AFTERBURNING RAMJET USING HYDROGEN AT MACH 3.0
NACA-TM-E57C29 N63-12908 07-27

EXPLORATORY INVESTIGATION OF PERFORMANCE CHARACTERISTICS OF FUEL-RICH HYDROGEN COMBUSTOR
NACA-RM-E58C19A N63-12909 07-27

AERODYNAMIC CHARACTERISTICS OF FLAT-BOTTOM WING-BODY COMBINATIONS AT MACH 3.0 AND 3.5
NASA-MEMO-1-2-59E N63-12913 07-02

EXAMINATION OF MECHANICAL PROPERTIES OF TUNGSTEN SHEET AT VERY HIGH TEMPERATURES
NASA-TN-D-1310 N63-12926 07-18

EROSION RESISTANCE AND FAILURE MECHANISMS OF NOZZLE MATERIALS IN SMALL SOLID-PROPELLANT ROCKET ENGINE
NASA-TN-D-1658 N63-12931 07-27

HEAT TRANSFER OF AIR-COOLED TURBINE BLADE FOR TURBOPROP ENGINE
NASA-TM-X-85 N63-12972 07-13

EFFECT OF LUBRICATION LOADS & COMPOSITION ON BALL AND ROLLER BEARING FATIGUE IN TURBOJET ENGINES
N63-13069 07-33

DAMPING OF QUANTIZED LONGITUDINAL ELECTRON OSCILLATIONS IN NONDEGENERATE PLASMA
N63-13129 07-24

LOW-POWER TEST OF PLUM BROOK REACTOR CORE
NASA-TN-D-1560 N63-13182 07-10

NUCLEAR POWERED SUPERCRITICAL WATER CYCLE FOR AIRCRAFT PROPULSION
NACA-RM-E53D29 N63-13193 07-27

CRITICAL MASS OF GASEOUS-CORE CYLINDRICAL-CAVITY REACTORS FOR NUCLEAR PROPULSION
NASA-TN-D-1575 N63-13218 07-27

BURNUP AND POISONING IN NUCLEAR REACTOR CORE AND VALIDITY OF UNIFORM APPROXIMATION
NACA-RM-E53D20 N63-13281 07-10

LAMINAR ISOTHERMAL COAXIAL FLOW STREAMS OF DIFFERENT DENSITIES
NASA-TN-D-1534 N63-13283 07-20

ELECTRODE EROSION IN SPARK DISCHARGES
N63-13469 08-24

ELECTROSTATIC PROPULSION SYSTEM WITH A DIRECT NUCLEAR ELECTROGENERATOR
N63-13572 08-27

WATER MODERATED REACTORS FOR NUCLEAR ROCKETS IN UNMANNED SPACE FLIGHT
N63-13579 08-27

NASA PROGRAM FOR ELECTRIC PROPULSION - RESISTANCE-HEATED HYDROGEN THRUSTOR
N63-13670 08-26

VARIATIONAL CALCULUS FOR OPTIMIZING INTERPLANETARY ROUND-TRIP TRAJECTORIES
NASA-TN-D-1660 N63-13793 09-20

PERFORMANCE AT MACH 3.07, 1.89 AND 0 OF INLETS DESIGNED FOR INLET-ENGINE MATCHING UP TO MACH 3
NACA-RM-E58B13 N63-13861 09-02

PERFORMANCE OF EXPERIMENTAL ANNULAR TURBOJET COMBUSTORS AT SIMULATED HIGH ALTITUDE SUPERSONIC FLIGHT CONDITIONS
NACA-RM-E54A15 N63-13863 09-26

ISENTROPIC NOSE INLET PERFORMANCE AT MACH 5.6
NACA-RM-E54B24 N63-13865 09-02

AIR INLET FOR TURBOJET ENGINES HAVING VARIABLE ANGLE TWO-DIMENSIONAL COMPRESSION SURFACE AND FIXED-GEOMETRY SUBSONIC DIFFUSER
NACA-RM-E57J02 N63-13872 09-02

EFFECT OF FUEL INJECTOR AND LINER DESIGN ON PERFORMANCE OF TURBOJET COMBUSTOR WITH VAPOR FUEL
NACA-RM-E53B04 N63-13876 09-26

EFFECT OF DISSOCIATION ON EXHAUST NOZZLE PERFORMANCE
NACA-RM-E58C25 N63-13878 09-26

BLUNT-LIP SIDE INLET WITH RAMP BLEED, BYPASS, AND DUCT AHEAD OF ENGINE
NACA-RM-E56J01 N63-13879 09-02

INJECTOR EVALUATION IN 2400-POUND-THRUST ROCKET ENGINE USING LIQUID OXYGEN AND LIQUID AMMONIA
NASA-MEMO-12-11-58E N63-13887 09-27

AXISYMMETRIC DOUBLE CONE COMPRESSION INLET
NASA-MEMO-12-22-58E N63-13888 09-02

COLD-FLOW PERFORMANCE OF THRUST-VECTOR CONTROL BY SECONDARY INJECTION
NASA-TM-X-416 N63-13905 09-27

EFFECTS OF AIR CONTENT AND WATER PURITY ON LIQUID TENSION AT INCIPIENT CAVITATION IN VENTURI FLOW
NASA-TN-D-1459 N63-13949 09-11

EXPERIMENTAL EFFECT OF GAS FLOW TRANSIENTS ON HEAT EMISSION OF BURNING LIQUID DROPS IN A ROCKET COMBUSTOR
NASA-TN-D-1576 N63-13951 09-26

BOILING HEAT TRANSFER UNDER FORCED CONVECTION IN A HEATED TUBE
NASA-TN-D-1583 N63-13965 09-13

PRESSURE RECOVERY IN ADJUSTABLE SUPERSONIC INLET COMBINED WITH J34 TURBOJET ENGINE UP TO MACH 2.0
NACA-RM-E54H11 N63-13987 09-27

ELECTRICAL-RESISTANCE STRAIN GAUGES - HIGH STRAIN RESPONSE, HYSTERESIS, STRAIN SENSITIVITY, CREEP, ZERO DRIFT & RESISTANCE AT CRYOGENIC TEMPERATURES
NASA-TN-D-1663 N63-14026 09-15

THERMOLUMINESCENT SPECTRA OF SODIUM CHLORIDE AND HYDROXIDE-FREE SODIUM CHLORIDE IRRADIATED WITH 40-MEV ALPHA PARTICLES
NASA-TN-D-1662 N63-14205 09-23

FATIGUE TESTING OF METALS AND ALLOYS - STRAIN CYCLING IN LOW AND INTERMEDIATE LIFE RANGE
NASA-TN-D-1574 N63-14250 10-33

FEASIBILITY OF OPTIMIZING NOZZLE PERFORMANCE FOR ORBITAL-LAUNCH NUCLEAR ROCKETS
NASA-TN-D-1578 N63-14251 10-02

TENSILE AND STRESS-RUPTURE PROPERTIES OF A TANTALUM MODIFIED NICKEL-BASE ALLOY
NASA-TN-D-1531 N63-14402 10-18

EFFECT OF OXYGEN ON MECHANICAL PROPERTIES OF TUNGSTEN - TENSILE STRENGTH
NASA-TN-D-1581 N63-14403 10-07

TENSILE STRENGTH AND ELONGATION PROPERTIES OF STEEL, NICKEL, ALUMINUM AND TITANIUM ALLOYS IN LIQUID-NITROGEN AND FLUORINE ENVIRONMENTS
NASA-TN-D-1706 N63-14405 10-18

TAMING THE SUPERMAGNETS - CRYOGENIC CONDUCTORS
N63-14667 10-23

EXTERNAL STREAM EFFECTS ON ISENTROPIC PLUG-TYPE NOZZLE PERFORMANCE AT MACH 2.0, 1.8, AND 1.5
NASA-MEMO-2-17-59E N63-14680 10-02

EFFECT OF NOSE DIAMETER AND COOLING ON BOUNDARY LAYER TRANSITION OF CONE-CYLINDRICAL AFTERBODY IN FREE FLIGHT
NASA-MEMO-3-4-59E N63-14756 11-11

COOLING CORRELATION FOR AFTERBURNER WITH ANNULAR COOLING PASSAGE - COMBUSTION CHAMBER WALL TEMPERATURES
NACA-RM-E52C13 N63-14759 11-27

SEA-LEVEL STATIC TESTING OF TURBOJET ENGINE AFTERBURNER
NACA-RM-E54B18 N63-14760 11-27

ATTENUATION OF TANGENT-PRESSURE OSCILLATION IN LIQUID-OXYGEN-HEPTANE ROCKET ENGINE COMBUSTION CHAMBER USING LONGITUDINAL FIN
NACA-RM-E56C09 N63-14761 11-27

INVESTIGATION OF AIR-COOLED, PLUG-TYPE, VARIABLE-AREA EXHAUST NOZZLE AT HIGH TEMPERATURE
NACA-RM-E57A07 N63-14762 11-02

DIRECT CURRENT EXPERIMENT ON LOW PRESSURE PLASMA IONIZATION
NASA-TN-D-1659 N63-14805 11-24

SCATTERING FUNCTION AND STRUCTURE FACTOR FOR HARMONIC OSCILLATOR
N63-14952 11-23

HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER - LIQUID METAL TWO-PHASE FLOW AND HEAT TRANSFER AS APPLIED TO RANKINE CYCLE TURBOGENERATOR
N63-15017 11-13

CONTROLLED THERMONUCLEAR FUSION FOR SPACECRAFT PROPULSION - USE OF DEUTERIUM-HELIUM 3 AS REACTOR FUEL CONTAINED BY SUPERCONDUCTING MAGNETS
N63-15075 11-27

APPLICATION OF CRYOGENIC PROPULSION TO SPACE MISSIONS - ENERGY REQUIREMENTS, SOLAR PROBE PAYLOADS, ABLATION, RELIABILITY ENGINEERING
N63-15299 12-27

ENERGIES OF FORMATION IN FACE-CENTERED CUBIC CRYSTAL
N63-15457 12-25

EFFECT OF MULTI-G ACCELERATIONS ON NUCLEATE BOILING EBULLITION
NASA-TN-D-1196 N63-15471 12-13

BREAKUP OF WATER JET BY TRANSVERSE SHOCK WAVE
NASA-TN-D-1728 N63-15561 12-11

PERFORMANCE CAPABILITY OF SINGLE-CAVITY VORTEX GASEOUS NUCLEAR ROCKETS
NASA-TN-D-1579 N63-15693 12-11

DESIGN AND OPERATIONAL PERFORMANCE OF SODIUM FLASH VAPORIZATION FACILITY
NASA-TN-D-1661 N63-15695 12-27

CHARGE-EXCHANGE EFFECT ON ACCELERATOR IMPINGEMENT OF ELECTRON-BOMBARDMENT ION ROCKET
NASA-TN-D-1657 N63-15766 13-27

UMERICAL ANALYSIS OF ION SOURCE OPTICS - HRUSTOR
ASA-TN-D-1665 N63-15767 13-27

YDROMAGNETIC STAGNATION-POINT BOUNDARY LAYER WITH RBITRARY PRESSURE GRADIENT AND MAGNETIC FIELD
ASA-TN-D-1703 N63-15768 13-11

NFLUENCE OF MICROSTRUCTURAL INCLUSIONS ON WEAR ND FRICTION OF NICKEL AND IRON ALLOYS IN VACUUM NVIRONMENT
ASA-TN-D-1708 N63-15769 13-17

NALYTICAL STUDY OF TURBINE-GEOMETRY HARACTERISTICS FOR ALKALI METAL TURBOELECTRIC PACE POWER SYSTEM
ASA-TN-D-1710 N63-15770 13-06

ETERMINATION OF OXYGEN IN OXIDES OF PLATINUM AND THER REDUCIBLE OXIDES N63-15865 13-07

IELD OF NITRIC OXIDE FROM HYDROGEN & HYDROCARBONS ITH NITROUS OXIDE
ASA-TN-D-1736 N63-15954 13-26

TEADY-STATE, STAGNATION-POINT, HEAT TRANSFER RATE EASURING DEVICE
ASA-TN-D-1704 N63-15957 13-15

RYOGENIC PROPELLANT HEATING IN THERMAL NVIRONMENT OF SPACE N63-16062 13-26

XISYMMETRIC EXTERNAL COMPRESSION DOUBLE CONE NLET - MACH 3 TO 0.8 - PRESSURE RECOVERY, ASS FLOW RATIO, COWL PRESSURE AND ADDITIVE DRAG
ASA-TM-X-149 N63-16135 13-02

XISYMMETRIC DOUBLE CONE EXTERNAL COMPRESSION NLET IN TRANSONIC RANGE - DRAG COMPONENTS AT ETACHED SHOCK CONDITIONS
ASA-TM-X-154 N63-16136 13-02

ASE HEAT TRANSFER, PRESSURE RATIOS, AND ONFIGURATION EFFECTS ON SATURN C-1 MODEL AT ACH 0.1 TO 2.0
ASA-TN-D-1566 N63-16159 13-30

ELTING, EXTRUDING AND MECHANICAL PROPERTIES OF LECTRON-BEAM-MELTED TUNGSTEN
ASA-TN-D-1707 N63-16161 13-18

OLUTION OF POISSON EQUATION FOR BOUNDARY ONDITIONS BY APPROXIMATIONS - MATRIX ANALYSIS - BM 7090 COMPUTER PROGRAM FOR ION BEAM
ASA-TN-D-1711 N63-16162 13-11

NNULAR FLAME-HOLDER GUTTERS AND AFTERBURNER OMBUSTION EFFICIENCY
ACA-RM-E54C30 N63-16233 13-26

OMBUSTOR PERFORMANCE USING HYDROGEN FUEL AT HIGH LTITUDE
ACA-RM-E56D24 N63-16234 13-26

FTERBURNER COMBUSTION EFFICIENCY - EFFECT OF LAMEHOLDER VARIATION AND TURBULENCE GENERATORS
ACA-RM-E57C01 N63-16235 13-26

FTERBURNER COMBUSTION EFFICIENCY - EFFECTS OF HAMBER LENGTH, TEMPERATURE, PRESSURE AND VELOCITY
ACA-RM-E57C07 N63-16236 13-26

EAT AND FLUID FLOW COMPUTATIONS - FORTRAN DIGITAL OMPUTER
ASA-TN-D-1664 N63-16290 13-23

LOSH DAMPING EFFECTIVENESS OF POSITIVE EXPULSION AGS AND DIAPHRAGMS IN SPHERICAL TANKS
ASA-TN-D-1712 N63-16601 14-11

ALIBRATION OF THERMOCONDUCTIVITY VACUUM GAUGE TO 0 MINUS 4 TORR BY MEANS OF VOLUME-RATIO ALIBRATION SYSTEM - PRESSURE MEASUREMENTS
ASA-TN-D-1729 N63-16669 14-17

OCKET ENGINE ABLATIVE MATERIAL PERFORMANCE AFTER OST-RUN COOLING AT SIMULATED ALTITUDE PRESSURES
ASA-TN-D-1726 N63-16688 14-13

DISPERSION AND DAMPING OF LONGITUDINAL ELECTRON OSCILLATIONS IN THERMAL PLASMA
NASA-TN-D-1734 N63-16711 14-24

CATASTROPHIC FRACTURE OF LIQUID-FILLED TANKS UNDER IMPACT BY HIGH-VELOCITY PARTICLES
NASA-TN-D-1537 N63-16880 14-33

NATURAL MODE FREQUENCIES AND SLOSH FORCES FROM LIQUID SLOSHING IN TOROIDAL TANKS
NASA-TN-D-1709 N63-16988 15-23

COUPLING, VALVE, AND FLOWMETER FOR TRANSFER OF LIQUID FLUORINE
NASA-TN-D-1727 N63-16989 15-15

ENTHALPY PROFILE EFFECT ON ELECTROTHERMAL ENGINE USING HYDROGEN FUEL
NASA-TN-D-1732 N63-16995 15-27

SPECTRALLY SELECTIVE SURFACES USED AS COLLECTORS OF SOLAR ENERGY FOR HEAT ENGINES IN SPACE
N63-17148 15-06

NUCLEAR PROPULSION PROGRESS - KIWI-B REACTOR, PROPELLANT AND ENGINE DEVELOPMENT, RIFT PROJECT, AND NERVA ENGINE N63-17227 15-27

TRANSITION REVERSAL - EFFECT OF SURFACE TEMPERATURE ON LAMINAR BOUNDARY LAYER STABILITY AND TRANSITION N63-17382 15-11

EXHAUST JETS - MANNED SPACE FLIGHT
N63-17418 15-30

TURBINE PUMP MISSILE PROPELLANT - TRANSONIC SPEED
NACA-RM-E57J29 N63-17466 15-06

BOILING HEAT FLUX IN CHANNEL FLOW - CRITICALITY FACTOR
NASA-TN-D-1656 N63-17514 16-13

QUANTUM MECHANICS - CALCULATION OF ISOMER RATIOS, PARTICLE EMISSION AND SPIN DISTRIBUTION IN TIN AND INDIUM N63-17733 16-29

LIQUID METAL TURBOJET ENGINE CYCLE FOR NUCLEAR AIRCRAFT
NACA-RM-E51D30 N63-17986 16-27

INTERNAL COMPRESSION INLET WITH THROAT BLEED-OFF AT HYPERSONIC FLOW
NACA-RM-E58E14 N63-18045 16-02

CHEMICAL REGENERATION OF HOT METAL SURFACES - SUBLIMATION OF THERMIONIC CONVERTERS
N63-18101 16-07

AIR LEAKAGE MEASUREMENT OF PLUM BROOK REACTOR VESSEL
NASA-TN-D-1731 N63-18209 16-23

GEOMETRIC PROPERTIES AND ELASTIC STRESS DISTRIBUTIONS IN CASSINIAN DOMES
NASA-TN-D-1741 N63-18232 17-23

THERMAL DECOMPOSITION OF LINEAR PERFLUOROALKANES - PERFLUOROPROPANE, PERFLUOROETHANE AND CARBON TETRAFLUORIDE
NASA-TN-D-1744 N63-18233 17-07

SPECTRAL EMITTANCE OF ELECTRODE MATERIAL FOR THERMIONIC CONVERTER N63-18298 17-25

STABILITY OF PROPANE-OXYGEN FLAMES AT LOW PRESSURES IN TURBULENT FLOW N63-18502 17-26

THEORETICAL MODELS AND EXPERIMENTAL ROCKET COMBUSTORS FOR STUDY OF COMBUSTION PROCESS INSTABILITY N63-18591 17-27

NUCLEAR DIRECT-AIR-CYCLE SUPERSONIC AIRCRAFT DESIGN STUDY - EFFECT OF TEMPERATURE AND FUEL PLATE MATERIAL
NACA-RM-E53C18 N63-18645 17-04

WAVE PROPAGATION DIRECTION ON PLASMA RESONANCES - RESONANT FREQUENCY SENSITIVITY TO DEPARTURE FROM PURELY TRANSVERSE PROPAGATION

NASA-TN-D-1875 N63-18652 17-24

ACCELERATOR GRID SYSTEMS FOR ELECTRON BOMBARDMENT ION THRUSTORS
NASA-TN-D-1411 N63-18653 17-27

NEUTRALIZATION TESTS ON ELECTRON-BOMBARDMENT ION ENGINE
NASA-TN-D-1733 N63-18655 17-27

USING HALOGENS FOR CHEMICAL REGENERATION OF THERMIONIC DIODE SURFACES
NASA-TN-D-1877 N63-18662 17-07

COMPARISON OF EXPERIMENTAL TO PREDICTED HEAT TRANSFER IN BELL SHAPED NOZZLE WITH UPSTREAM FLOW DISTURBANCES
NASA-TN-D-1743 N63-18894 18-13

PLUM BROOK REACTOR - MEASUREMENT OF HYDRAULIC CHARACTERISTICS
NASA-TN-D-1725 N63-19177 18-10

DIRECTIONAL EMISSIVITY AND REFLECTIVITY OF RADIANT ENERGY FROM SPECULAR, GRAY, ISOTHERMAL GROOVES
NASA-TN-D-1874 N63-19179 18-11

TURBULENT FORCED CONVECTION HEAT TRANSFER COMPUTATIONS FOR AIR, HELIUM, ARGON, HYDROGEN, AND CARBON DIOXIDE N63-19307 18-13

RELATION OF THERMOCONDUCTIVITY, MOLECULAR WEIGHT, VISCOSITY & HEAT CAPACITY OF NONPOLAR POLYATOMIC GASES N63-19389 18-23

EFFECT OF MAGNETIC FIELD ON FERROMAGNETIC METAL WHISKER GROWTH N63-19451 19-18

INFLUENCE OF ROOM-TEMPERATURE ATMOSPHERIC REACTION PRODUCTS ON DUCTILITY OF SODIUM CHLORIDE SINGLE CRYSTALS N63-19456 19-18

COMBINED USE OF LIQUID AND GASEOUS HELIUM AS REFRIGERANT TO PROVIDE SIMULATED SPACE ENVIRONMENT N63-19618 19-29

COMPATIBILITY OF CESIUM VAPOR WITH SELECTED TEST MATERIALS - REFRACTORY METAL, PRECIOUS METAL, LIGHT METAL & NONMETAL AT HIGH TEMPERATURES
NASA-TN-D-1739 N63-19650 19-07

MATHEMATICAL ANALYSIS OF CONVECTIVE HEAT TRANSFER IN NUCLEAR ROCKET NOZZLE
NASA-TN-D-1742 N63-19651 19-13

ELASTIC STATE DETERMINATION OF THERMAL STRESS IN THIN, FLAT PLATE OF FINITE DIMENSIONS
NASA-TN-D-1740 N63-19733 19-33

MASS AND LEVEL GAUGING TECHNIQUES FOR LIQUID HYDROGEN N63-20042 19-15

PRESSURE TRANSIENT EFFECT ON BURNOUT IN POOL BOILING OF WATER N63-20072 20-23

SPACECRAFT COLLOIDAL GENERATOR FOR ELECTROSTATIC PROPULSION N63-20216 20-27

TURBULENT HEAT AND MOMENTUM TRANSFER FOR UNIFORM VELOCITY AND TEMPERATURE GRADIENTS IN A FLOW FIELD N63-20274 20-13

RECIPROCITY IN QUANTUM MECHANICS
NASA-TN-D-1985 N63-20347 20-23

HIGH-CURRENT-DENSITY CYLINDRICAL CONCAVE POROUS TUNGSTEN EMITTER FOR ION THRUSTORS
AIAA PAPER-63029-63 N63-20434 20-27

BRAYTON CYCLE NUCLEAR SPACE POWER SYSTEMS AND THEIR HEAT TRANSFER COMPONENTS
NASA-RP-3 N63-20476 20-06

CONTROL OF VARIABLE-GEOMETRY INLETS AT CONSTANT MACH NUMBERS WITH BLUNT LIP DIFFUSER
NACA-RM-E57-G02 N63-20485 20-02

COLD ROLLING AND AGING EFFECTS ON SHARP-NOTCH PROPERTIES OF BETA TITANIUM SHEET ALLOY N63-20507 20-18

POSITRON ANNIHILATION IN CONDENSED GASES - HELIUM, HYDROGEN, NITROGEN, & OXYGEN N63-20508 20-11

MEASUREMENT OF NET DIRECT CURRENT ALONG ION BEAM USING A MAGNETIC AMMETER N63-20509 20-27

STRESS ANALYSIS AT SEVERAL JUNCTIONS OF PRESSURIZED SHELLS N63-20510 20-33

SUBSONIC NUCLEAR POWERED LOGISTIC AIRPLANE WITH HELIUM-COOLED REACTOR
NASA-TM-X-28 N63-20524 20-34

TOTAL-PRESSURE DISTORTION & RECOVERY OF SUPERSONIC NOSE INLET WITH CONICAL AFTERBODY IN SUBSONIC ICING CONDITIONS
NACA-RM-E57G09 N63-20525 20-33

COMBUSTION-CHAMBER LENGTH INFLUENCE ON TURBOJET ENGINE AFTERBURNER PERFORMANCE
NACA-RM-E54E06 N63-20531 20-27

DESIGN OF SINGLE-STAGE TURBINE FOR ROTOR ENTERING AT SUPERSONIC SPEED - PERFORMANCE CHARACTERISTICS
NACA-RM-E58F20A N63-20534 20-27

INVERSION OF ORDINARY LINEAR DIFFERENTIAL EQUATION IN MATRIX FORM FOR APPLICATION TO CLASS OF TRAJECTORY PERTURBATION PROBLEMS N63-20585 20-29

ALKALI METAL ION MOBILITY IN METAL VAPORS N63-20586 20-23

FRICTION AND WEAR OF MATERIALS COATED WITH GALLIUM-RICH FILMS N63-20587 20-17

SOUND WAVE PERTURBATIONS IN HYDRAULIC LINES WITH CLOSED-END SIDE BRANCH - FLOW & PRESSURE WAVES
NASA-TN-D-1876 N63-20604 20-11

SHEET ALLOY SCREENING PROGRAM FOR MACH 3 TRANSPORT AIRCRAFT N63-20658 20-18

VISUAL STUDY OF SWIRLING AND NONSWIRLING TWO-PHASE AIR AND WATER FLOW
NASA-TM-X-725 N63-20752 21-11

WEAR AND FRICTION OF MECHANICAL CARBONS AGAINST METAL SURFACES IN LIQUID OXYGEN
NASA-RP-5 N63-20798 21-17

EFFECT ON PARTICLE-SUBSTRATE BONDING OF PLASMA-SPRAYED MATERIAL
NASA-TN-D-1705 N63-20888 21-24

GAUSS HYPERGEOMETRIC FUNCTION
NASA-TN-D-1735 N63-20889 21-20

PERFORMANCE OF D-C ARC OPERATING IN NITROGEN N63-20936 21-24

FORCED CONVECTION HEAT FLOW BETWEEN TWO PARALLEL PLATES - VARIABLE TEMPERATURE DISTRIBUTION, SPACING, AND HEAT DISTRIBUTION
NASA-RP-4 N63-20960 21-13

POWER SYSTEMS AND POWERPLANT SELECTION FOR SPACE FLIGHT N63-21067 21-27

IMPACT OF AEROSPACE RESEARCH CENTER ON MIDWEST INDUSTRY - NASA PROGRAM N63-21154 21-01

KINETICS OF OXIDATION OF PLATINUM N63-21276 21-18

TANTALUM ALLOY ADDITION TO NICKEL-BASE ALLOYS - INCREASE OF STRENGTH AND WORKABILITY PROPERTIES
NASA-RP-26 N63-21329 21-18

HIGH TEMPERATURE MATERIALS FOR SPACE - ELECTRONIC WORK FUNCTION, THERMOELECTRIC PROPERTIES, AND CORROSION RESISTANCE OF ALKALI METALS
NASA-RP-27 N63-21369 22-19

HAFNIUM CARBIDE - PROPERTIES AND FABRICATION
NASA-RP-25 N63-21370 22-19

YMMETRIC PENSHAPE NOZZLE IN SUPERSONIC WIND
INNEL FOR ATTITUDE CONTROL OF MULTISTAGE VEHICLE
ASA-TN-D-1561 N63-21887 22-31

IERMIONIC ELECTRON EMISSION CURRENTS FROM CESIUM
IATED TUNGSTEN ACCELERATOR ELECTRODES IN ION
IRUSTERS
ASA-TN-D-1879 N63-21890 22-06

GEOUS-FILM COOLING OF ROCKET COMBUSTION CHAMBER
ASA-TN-D-1988 N63-21895 22-27

LOYING EFFECT ON TENSILE PROPERTIES AND MICRO-
RUCTURE OF TUNGSTEN-FIBER-REINFORCED COMPOSITES
ASA-TN-D-1568 N63-22110 22-18

FECT OF VARIABLE THERMAL PROPERTIES AND
MPERATURE DISTRIBUTION ON ONE-DIMENSIONAL HEAT
ANSFER IN RADIATING FINS OF ELECTRIC MOTOR
ASA-TN-D-1878 N63-22111 22-13

RESS-STRAIN DIAGRAMS FOR TUNGSTEN-FIBER-
INFORCED COPPER COMPOSITES
ASA-TN-D-1881 N63-22112 22-18

MPUTER PROGRAM FOR COMPUTATION OF CHEMICAL
UILIBRIUM COMPOSITIONS, ROCKET PERFORMANCE, AND
APMAN-JOUGUET DETONATIONS
ASA-TN-D-1737 N63-22162 23-20

RODYNAMICS OF COAXIAL FLOW GASEOUS REACTOR -
PERIMENTAL MEASUREMENTS ON AIR-BROMINE COAXIAL
OW SYSTEM N63-22311 23-27

DIANT HEAT TRANSFER TO FLOWING GAS WITH
INDUCTION & ABSORPTION N63-22312 23-13

ANSMISSIVITY OF CARBON PARTICLE CLOUDS -
ECTRAL TRANSMISSIVITY & TOTAL TRANSMISSIVITY
TERMINED BY TOTAL RADIATION DETECTOR
N63-22313 23-27

O-DIMENSIONAL CALCULATIONS PERFORMED ON
LINDRICAL, COAXIAL CAVITY REACTOR
N63-22314 23-27

AXIAL FLOW GASEOUS NUCLEAR ROCKET
N63-22315 23-27

ECTRIC PROPULSION POWER SYSTEMS FOR NEAR EARTH &
EP SPACE MISSIONS N63-22451 23-27

RAIN GAUGES FOR USE AT CRYOGENIC TEMPERATURES
ASA-RP-37 N63-22452 23-17

CLEAR ROCKET OUTLOOK - GAS CORE VS SOLID CORE
N63-22454 23-27

EATH NEAR A PLANE ELECTRODE BOUNDING A
LLISIONLESS PLASMA IN MAGNETIC FIELDS
ASA-TN-D-1992 N63-22572 23-09

LCULATION OF MAGNETIC FIELD DISTRIBUTION OF
NITE HELICAL SOLENOID
ASA-TN-D-1993 N63-22601 23-23

NIMUM OIL FLOW REQUIREMENTS OF HIGH-SPEED BALL
ARINGS
ASA-TN-D-1994 N63-22713 23-17

SCOSITIES AND THERMOCONDUCTIVITIES OF GASES AT
GH TEMPERATURES SUITABLE FOR HEAT TRANSFER
LCULATIONS
ASA-TR-R-132 N63-22862 23-13

GINEERING OF ELECTRIC PROPULSION SYSTEMS
N63-23240 24-27

W-PRESSURE ENVIRONMENT REACTION OF HYDRAZINE AND
TROGEN TETROXIDE N63-23609 24-16

FECTS OF REGENERATIVE AND RADIATION COOLING ON
IRUSTOR PERFORMANCE FOR FROZEN FLOW
ASA-TN-D-1738 N63-23676 24-23

GULAR DISTRIBUTION OF EMITTED AND REFLECTED
DIANT ENERGY FROM DIFFUSE GRAY ASYMMETRIC
OOVES
ASA-TN-D-1987 N63-23680 24-23

NUMERICAL ANALYSIS OF DIRECT NUCLEAR
ELECTROGENERATOR CELLS USING CERIUM 144 BETA-
EMITTING RADIOISOTOPE SOURCES
NASA-TN-D-2070 N63-23683 24-23

EFFECT OF CONTACT ANGLE AND SPACE VEHICLE TANK
GEOMETRY ON CONFIGURATION OF ROCKET PROPELLANT
LIQUID-VAPOR INTERFACE DURING WEIGHTLESSNESS
NASA-TN-D-2075 N63-23684 24-02

THERMODYNAMIC PROPERTIES TO 6000-DEG KELVIN FOR
SUBSTANCES INVOLVING FIRST 18 ELEMENTS IN THEIR
NATURAL STATE
NASA-SP-3001 N63-23715 24-13

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
MANNED SPACECRAFT CENTER, CAPE CANAVERAL, FLA.
ABORT TECHNIQUES FOR MANNED SPACEFLIGHT AT LAUNCH,
SUBORBITAL, ESCAPE AND SUPERORBITAL VELOCITIES -
LUNAR LAUNCH & RENDEZVOUS N63-17167 15-32

MERCURY CAPSULE CHECKOUT AND PRELAUNCH TESTING
N63-17519 16-32

AUTOMATIC DATA PROCESSING SYSTEM FOR SPACECRAFT
CHECKOUT N63-17661 16-20

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION.
MANNED SPACECRAFT CENTER, HOUSTON, TEX.
THE MANNED LUNAR MISSION - APOLLO PROJECT
ARS PAPER-2464-62 N63-10251 01-29

MANNED SPACE FLIGHT - APOLLO AND MERCURY PROJECTS
N63-10553 01-32

MERCURY, GEMINI AND APOLLO PROJECTS
N63-11145 03-32

APOLLO PROJECT - MANNED LUNAR LANDING
N63-11146 03-32

MERCURY-ATLAS SPACE FLIGHT - ASTRONAUT REPORT
N63-11159 03-32

PHYSICAL, PSYCHOLOGICAL, AND APTITUDE REQUIREMENTS
FOR ASTRONAUT SELECTION
ARS PAPER-2647-62 N63-11262 03-14

VISUAL OBSERVATIONS OF NIGHTGLOW FROM MANNED
SPACECRAFT N63-11414 03-12

DEVELOPMENT OF INFLATABLE PERSONAL EQUIPMENT FOR
ASTRONAUT SURVIVAL AT SEA
NASA-TN-D-1083 N63-11740 04-16

SPACECRAFT AND LAUNCH-VEHICLE PERFORMANCE, MISSION
OPERATIONS, AEROMEDICAL ANALYSIS, PILOT
PERFORMANCE, PILOTS FLIGHT REPORT
NASA-SP-12 N63-11990 05-32

SPACECRAFT AND LAUNCH VEHICLE PERFORMANCE
N63-11991 05-32

MISSION OPERATIONS - MA-8 MISSION - PRELAUNCH,
LAUNCH, ORBIT, AND RECOVERY N63-11992 05-32

AEROMEDICAL ANALYSIS - MA-8 MISSION
N63-11993 05-16

PILOT PERFORMANCE - MA-8 MISSION
N63-11994 05-32

PILOTS FLIGHT REPORT - MA-8 MISSION
N63-11995 05-32

EFFECT OF WEIGHTLESSNESS ON HUMAN PHYSIOLOGY,
BEHAVIOR, AND PERFORMANCE N63-16267 13-14

MANNED ORBITAL SPACE FLIGHT - OPERATIONS, SUPPORT,
DESIGN, AND DEVELOPMENT OF CONCEPTS - SPACECRAFT
DESIGN AND MISSION ANALYSIS N63-17401 15-32

MANNED SPACE FLIGHT PROGRESS - 1962
N63-17402 15-32

FROM MERCURY PROJECT TO INTERPLANETARY MANNED
SPACE FLIGHT N63-17403 15-32

EXPERIENCE WITH MERCURY PROJECT - MANNED SPACE

FLIGHT N63-17404 15-32

PROJECT GEMINI DESIGN PHILOSOPHY - MANNED SPACE FLIGHT N63-17405 15-32

EARTH ORBITING SPACE STATIONS - MANNED SPACE FLIGHT N63-17407 15-10

SPACE STATION DESIGN - MANNED SPACE FLIGHT N63-17408 15-10

SPACE STATION LOGISTICS AND OPERATIONS - MANNED SPACE FLIGHT N63-17409 15-32

MANNED SPACE FLIGHT AND PREFLIGHT OPERATIONS N63-17410 15-30

FLIGHT CONTROL, MONITORING, AND RECOVERY - MANNED SPACE FLIGHT N63-17411 15-30

FLIGHT SIMULATION IN CREW TRAINING - MANNED SPACE FLIGHT N63-17412 15-14

MANNED SPACE FLIGHT - SPACECRAFT DEVELOPMENT N63-17413 15-10

MANNED SPACE FLIGHT - SIMULATION AND TRAINING FACILITIES - GEMINI AND APOLLO PROJECTS N63-17414 15-10

MANNED SPACE FLIGHT - GROUND CONTROL N63-17415 15-10

MANNED SPACE FLIGHT - VISUAL CAPABILITY IN SPACECRAFT RENDEZVOUS N63-17416 15-14

EQUATIONS FOR PREDICTING AERODYNAMIC STABILITY OF BODIES OF REVOLUTION WITH OFFSET CENTERS OF GRAVITY AT SUPERSONIC AND HYPERSONIC SPEEDS
NASA-TN-D-1085 N63-17552 16-20

HABITABILITY IN SPACE STATIONS
AIAA PAPER-63-138 N63-18341 17-30

MA-9 MISSION - FLIGHT OF FAITH 7 SPACECRAFT N63-18852 18-14

MULTIPURPOSE, MANNED, ORBITAL SPACE STATION DESIGN
AIAA PAPER-63-132 N63-19037 18-32

GEMINI PROJECT - GEMINI SPACECRAFT AND TITAN II LAUNCH VEHICLE, HYPERGOLIC FUEL, INJECTION SEAT ESCAPE AND RETROROCKET SYSTEMS N63-19423 19-32

SPACECRAFT DESIGN AND OPERATIONS AS LEARNED FROM MERCURY PROJECT
AIAA-PAPER-63073 N63-20270 20-32

ORBITAL FLIGHT EXPERIENCE - PRELAUNCH TO REENTRY - AEROSPACE MEDICINE N63-20555 20-16

GOALS FOR GEMINI PROJECT - AEROSPACE MEDICINE N63-20562 20-32

CHRONOLOGY OF PROJECT MERCURY
NASA-SP-4001 N63-21848 22-32

MERCURY PROJECT SUMMARY - RESULTS OF FOURTH MANNED ORBITAL FLIGHT
NASA-SP-45 N63-21951 22-01

REVIEW OF MERCURY PROJECT N63-21952 22-32

NASA SUPPORT FOR MERCURY PROJECT N63-21953 22-01

SPACECRAFT SYSTEMS DEVELOPMENT AND PERFORMANCE - MERCURY PROJECT N63-21954 22-06

RELIABILITY AND FLIGHT SAFETY IN MERCURY PROJECT N63-21957 22-04

TRAJECTORY ANALYSIS FOR MERCURY PROJECT - MISSION ANALYSIS N63-21958 22-22

ASTRONAUT TRAINING FOR MERCURY PROJECT N63-21961 22-14

AEROMEDICAL PREPARATIONS FOR MERCURY PROJECT N63-21962 22-14

BIOMEDICAL, PHYSICAL SCIENCE, AND ENGINEERING EXPERIMENTS INITIATED BY MERCURY PROJECT N63-21963 22-29

FLIGHT DATA PROCESSING FOR MERCURY PROJECT N63-21964 22-08

SPACECRAFT PREFLIGHT PREPARATION FOR MERCURY PROJECT N63-21965 22-06

FLIGHT CONTROL OPERATIONS FOR MERCURY PROJECT N63-21966 22-08

RECOVERY OPERATION FOR MERCURY PROJECT N63-21967 22-10

ASTRONAUT PERFORMANCE DURING MERCURY PROJECT N63-21968 22-14

PHYSIOLOGIC MEASUREMENTS AND MEDICAL OBSERVATIONS OF ASTRONAUT - MERCURY PROJECT N63-21969 22-14

ASTRONAUTS SUMMARY FLIGHT REPORT OF MERCURY PROJECT N63-21971 22-01

OBSERVED FLIGHT PERFORMANCES IN MERCURY PROJECT N63-23204 24-32

FLEXIBLE SPACE VEHICLE SYSTEM TO EXPLORE PROBLEMS OF MANNED OPERATION IN SPACE - GEMINI PROGRAM N63-23206 24-32

FLIGHT SAFETY IN MANNED SPACE FLIGHT N63-23226 24-14

MISSION CONTROL FOR MANNED SPACE FLIGHT N63-23227 24-32

GEMINI SPACECRAFT ESCAPE SYSTEMS - ABORT APPARATUS N63-23228 24-32

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. MANNED SPACECRAFT CENTER, LANGLEY STATION, VA.

PRESSURE DISTRIBUTIONS AND AERODYNAMIC CHARACTERISTICS OF SPOILER-TYPE CONTROLS ON TRAPEZOIDAL WING AT SUPERSONIC SPEED
NACA-RM-L56E22 N63-12910 07-03

GEMINI AND APOLLO SPACEFLIGHT REVIEW - NASA PROJECT N63-21131 21-30

VEHICLES FOR CIRCULAR AND HYPERBOLIC ENTRY BY MANNED SPACECRAFT N63-23223 24-02

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. MARSHALL SPACE FLIGHT CENTER, HUNTSVILLE, ALA.

SHELL STABILITY IN LARGE SPACE VEHICLE BOOSTERS N63-10810 02-34

METEOROID HAZARD TO SPACECRAFT IN ORBIT NEAR THE EARTH
NASA-TM-X-789 N63-11004 03-30

THERMAL RADIATION INCIDENT ON AN EARTH SATELLITE
NASA-TN-D-1524 N63-11121 03-28

LAUNCH VEHICLES AND LAUNCH OPERATIONS OF ATLAS, ATLAS-CENTAUR, TITAN, AND SATURN N63-11147 03-31

PERIODIC SOLUTIONS PASSING NEAR BOTH MASSES OF THE RESTRICTED THREE-BODY PROBLEM - KEPLERIAN ELLIPSES
ARS PAPER-2604-62 N63-11252 03-29

DETERMINATION OF OPTIMUM TRAJECTORIES LEADING TO CIRCULAR ORBITS
ARS PAPER-2626-62 N63-11259 03-29

PAYLOAD CAPABILITIES OF ELECTRIC PROPULSION SYSTEMS FOR SPACECRAFT
ARS PAPER-2654-62 N63-11266 03-27

APPLICATION OF TIME OPTIMAL CONTROL TO A FLEXIBLE LAUNCH VEHICLE - PITCH CONTROLLER
ARS PAPER-2694-62 N63-11276 03-31

NTHLY & ANNUAL WIND DISTRIBUTIONS AS FUNCTION OF TITUDE FOR PACIFIC MISSILE RANGE
SA-TN-D-1569 N63-12003 05-21

NO II PROGRAM - S-46 SATELLITE
SA-TN-D-608 N63-12252 05-32

AT TRANSFER IN LAMINAR FLOW OF INCOMPRESSIBLE UIDS
SA-TN-D-1527 N63-12478 06-11

OPOSED ORBITAL LAUNCH FACILITY
S PAPER-63-43 N63-12892 07-32

SS OF LIQUID PROPELLANT WITHIN SPACECRAFT OPELLANT TANK SUBJECTED TO ZERO GRAVITY
SA-TN-D-1571 N63-13303 07-15

NAR SURFACE BALLISTICS, HAZARDS OF SPACECRAFT NDING OR LAUNCHING, PARTICLES - EXHAUST GASES
SA-TN-D-1526 N63-13515 08-29

UNCH DEFLECTOR DESIGN CRITERIA AND SATURN C-1 FLECTOR FOR EXHAUST JET ENERGY DISTRIBUTION
SA-TN-D-1275 N63-14025 09-31

CURSION RELATION DEVELOPED FROM CERTAIN TERMINANTS, COMPUTATIONAL ROUTINE TO EVALUATE CH DETERMINANTS
SA-TN-D-1112 N63-14249 10-20

TICAL AND INFRARED PROPERTIES OF METALS - TICAL PROPERTIES OF SATELLITES
SA-TN-D-1523 N63-14272 10-23

ND FLOW IN 80 TO 400-KM ALTITUDE REGION OF MOSPHERE - IONOSPHERE - FOR USE IN SPACE VEHICLE SIGN STUDY
SA-TN-D-1573 N63-14273 10-12

NTHLY & ANNUAL TEMPERATURE, PRESSURE DENSITY ONG 80TH MERIDIAN WEST
SA-TN-D-1641 N63-15346 12-21

LCULATED RESULTS FOR TRANSIENT HEATING AND LTING OF GLASS SHIELD AT STAGNATION POINT OF ENTERING ICBM
SA-TN-D-1643 N63-15347 12-30

ALYSIS OF WEIGHT PARAMETERS INFLUENCE ON OPULSION REQUIREMENTS OF ORBIT-LAUNCHED VEHICLES
SA-TN-D-1525 N63-15351 12-34

RIODIC SOLUTION OF RESTRICTED THREE BODY PROBLEM ANALYTIC CONTINUATION OF KEPLERIAN ELLIPTICAL TIONS
SA-TN-D-1859 N63-15421 12-20

EORY OF OPTIMIZATION FOR CONTROL SYSTEMS OF UNCH VEHICLES - NEWTON-RAPHSON OPTIMIZATION THOD N63-15632 12-09

TAIL WIND DATA AS MEASURED BY THE FPS-16 RADAR HERICAL BALLOON TECHNIQUE - RADAR ACKING
SA-TN-D-1572 N63-15692 12-12

LDING TECHNIQUES
SA-SP-501 N63-15862 13-17

UNCH VEHICLES AND SPACECRAFT FOR EXPLORATION OF ACE AND PLANETS N63-15976 13-01

ACE SCIENCE - LAUNCH VEHICLE - SATURN ROCKET N63-15977 13-31

ACE SCIENCE - PRELAUNCH PROBLEMS OF SPACE HICLES N63-15978 13-10

ACE SCIENCE - LAUNCHING AND SPACE FLIGHT ERATIONS N63-15979 13-30

ACE SCIENCE - LAUNCH VEHICLE FIRING HISTORIES N63-15980 13-31

ACE SCIENCE - AUTOMATIC CONTROL IN SPACE SSIONS N63-15981 13-10

ACE SCIENCE - STEP ROCKET OPTIMIZATION THEORY

N63-15982 13-10

SPACE SCIENCE - EARTH-LUNAR MISSIONS - HIGH-ENERGY PROPELLANTS AND NUCLEAR PROPULSION SYSTEMS IN MANNED SPACE FLIGHT N63-15983 13-29

SPACE SCIENCE - EXPLORER SATELLITES LAUNCHED BY JUNO 1 AND JUNO 2 VEHICLE CARRIER SYSTEMS N63-15985 13-32

SPACE SCIENCE - EXPLORER SATELLITE THERMAL CONTROL N63-15986 13-32

SPACE SCIENCE - SPACE VEHICLE RADIATION SHIELDING FROM NUCLEAR PROPULSION SYSTEMS AND SPACE ENVIRONMENT N63-15987 13-30

SPACE SCIENCE - LIQUID PROPELLANT ROCKET ENGINES N63-15989 13-27

SPACE SCIENCE - ELECTRIC PROPULSION - ION, ARC AND PLASMA ENGINES N63-15991 13-27

SPACE SCIENCE - ELECTRIC PROPULSION SYSTEMS FOR SPACE VEHICLES N63-15992 13-27

SPACE SCIENCE - LAUNCH VEHICLE AND CARRIER ROCKET GUIDANCE-CONTROL SYSTEMS N63-15995 13-06

SPACE SCIENCE - ROCKET AND SPACECRAFT FLIGHT SIMULATION N63-15996 13-10

SPACE SCIENCE - SUPERCONDUCTIVITY IN BEARINGS FOR VACUUM OPERATION, ACCELEROMETERS AND CRYOGENIC EQUIPMENT - GYROSCOPES N63-15997 13-17

SPACE SCIENCE - TELEMETRY FOR GUIDED MISSILES AND SPACE VEHICLE CARRIER SYSTEMS - FROM V2 TO SATURN N63-15998 13-08

SPACE SCIENCE - DOPPLER PRINCIPLE IN ROCKETRY - TRACKING SYSTEMS N63-15999 13-08

SPACE SCIENCE - SPACE VEHICLES - ROCKET SYSTEM MANUFACTURE AND ASSEMBLY, GROUND AND FLIGHT TESTING N63-16000 13-17

SPACE SCIENCE - SPACE NAVIGATION - GROUND VERSUS ON-BOARD TRACKING N63-16002 13-08

SPACECRAFT MATERIALS - MANUFACTURE OF BEARINGS, ACCELEROMETERS AND ELECTRONIC EQUIPMENT N63-16003 13-17

MANNED SPACECRAFT LAUNCH VEHICLE SUITABILITY - MERCURY-REDSTONE PROJECT - JUPITER C - SPACE SCIENCE N63-16004 13-30

MISSILE AND SPACE VEHICLE ELECTRICAL SYSTEMS - SPACE SCIENCE N63-16005 13-06

ENERGY STORAGE & MAGNETIC FIELDS FOR SPACE VEHICLE FABRICATION & OPERATION - FASTENERS & SPACE MECHANICS N63-16007 13-23

SPACE SCIENCE - SPACECRAFT - JUNO LAUNCH VEHICLES AND RADIATION MEASUREMENT N63-16010 13-32

COMPUTER PROGRAM FOR REDUCTION OF NEUTRON ACTIVATION FOIL DATA
NASA-TM-X-50016 N63-16439 14-20

ORBIT-LAUNCH NUCLEAR DESIGN AND PERFORMANCE EVALUATION PROCEDURE FOR ESCAPE AND PLANETARY MISSION
MTP-P&VE-F-62-11 N63-16671 14-30

DISCREPANCIES WITH DELTA-P SENSORS FOR MONITORING LIQUID PROPELLANT SLOSHING DURING ROCKET FLIGHT
MTP-P&VE-P-62-6 N63-16673 14-26

RAWINSONDE DATA FOR SPACE VEHICLE TRAJECTORY ANALYSIS
NASA-TM-X-50020 N63-16710 14-20

SATURN SA-1 AND SA-2 FLIGHT TESTS - THERMODYNAMICS AND WINDS
NASA-TM-X-50000 N63-16723 14-20

SPACECRAFT GUIDANCE - VEHICLE TRAJECTORIES
NASA-TM-X-50077 N63-16801 14-01

ORBIT LAUNCHED NUCLEAR VEHICLE DESIGN AND PERFORMANCE EVALUATION PROCEDURE FOR ESCAPE AND PLANETARY MISSION
NASA-TN-D-1570 N63-16986 15-34

ASCENT FROM LUNAR SURFACE - SINGLE STAGE ROCKET IN RETURN TO EARTH PHASE OF SPACE MISSION
NASA-TN-D-1644 N63-16987 15-28

EARTH-MOON SYSTEM TRAJECTORY - RETURN TO EARTH PHASE OF SPACE MISSION - FREE RETURN FROM LUNAR SPACE FLIGHT
NASA-TN-D-1833 N63-16993 15-29

ELECTRIC PROPULSION - ELECTROTHERMAL, ELECTROSTATIC, ELECTROMAGNETIC, AND HEAVY PARTICLE SYSTEMS N63-17026 15-27

ASTRODYNAMIC CONSTANTS - ASTRONOMICAL UNIT
MTP-P&VE-F-62-12 N63-17342 15-20

GUIDANCE SYSTEM ERRORS AND RESULTING ERRORS IN TRAJECTORY AND ORBIT - SOURCE OF GUIDANCE ERRORS N63-17520 16-22

FITTING SOLID PROPELLANT ROCKET ENGINE INTO SPACE VEHICLE DESIGN
AIAA PAPER-63-260 N63-17804 16-30

SOLAR POWER SUPPLY SYSTEM FOR ORBITING ASTRONOMICAL OBSERVATORY
AIAA PAPER-63-217 N63-17805 16-06

CONSISTENT SYSTEM OF ASTRODYNAMIC CONSTANTS - ASTRONOMICAL UNIT, SOLAR PARALLAX, AND OTHERS
NASA-TN-D-1642 N63-18128 16-05

ERROR PROPAGATION OF INTERPOLATION FORMULAS FOR SECOND ORDER DIFFERENTIAL EQUATIONS - ERROR ANALYSIS
NASA-TN-D-1834 N63-18130 16-20

ATMOSPHERIC QUANTITIES IN ROCKET TECHNOLOGY - DYNAMIC PRESSURE, DRAG, LIFT, AXIAL FORCES
NASA-TN-D-1830 N63-18161 16-27

RELATIVITY THEORY AND VECTOR-SCALER TRANSFORMATION OF KINEMATIC AND DYNAMIC QUANTITIES OF ROCKETS - ASTROPHYSICS
NASA-TM-X-50080 N63-18403 17-20

EFFECTS OF GAS IN MULTILAYER THERMAL INSULATION CONSIDERED FOR APPLICATIONS IN CRYOGENICS - GASEOUS DIFFUSION AND OUTGASSING DATA
NASA-TM-X-50156 N63-18417 17-13

SOLID LUBRICANT - FRICTION REDUCTION UNDER HIGH VACUUM - SEALING OF REMOVABLE HATCHES - POWER TRANSMISSION THROUGH PRESSURE BARRIER
NASA-TM-X-50141 N63-18484 17-25

EFFECT OF ATMOSPHERIC CONDITIONS ON SOUND PROPAGATION
NASA-TM-X-50142 N63-18486 17-12

FLIGHT OPTIMIZATION AND GUIDANCE SYSTEMS THEORY FOR SPACE FLIGHT
NASA-TM-X-50186 N63-18688 17-29

GUIDANCE SYSTEMS AND FLIGHT OPTIMIZATION THEORY FOR SPACE FLIGHT N63-18689 17-29

SPECIALIZED CLIMATIC CRITERIA /NATURAL ENVIRONMENT/ GUIDELINES FOR SPACE VEHICLES AND GROUND SUPPORT SYSTEMS N63-18845 18-31

SURVEY OF VACUUM LUBRICATION N63-18870 18-17

FAR FIELD ACOUSTIC RESONANCE DUE TO PROPAGATION OF SOUND FROM ROCKET ENGINE
NASA-TN-D-1832 N63-18887 18-23

LAUNCH VEHICLES FOR PEACEFUL EXPLORATION OF THE UNIVERSE N63-18926 18-31

RADIANT HEAT SOURCE FOR SIMULATED ALTITUDE ENVIRONMENT
NASA-TM-X-50221 N63-19263 18-1

TITANIUM OXYGEN REACTIVITY - SHOCK AND IMPACT SENSITIVITY IN SPACE VEHICLE ENVIRONMENT
NASA-TM-X-50209 N63-19264 18-1

PROPERTIES OF F-2 LAYER OF IONOSPHERE - ELECTRON DENSITY
NASA-TM-X-50260 N63-19367 18-1

TRAJECTORY DETERMINATION BY LEAST SQUARES DIFFERENTIAL CORRECTION OF THREE DEGREE OF FREEDO ACCELERATIONS
NASA-TM-X-50270 N63-19390 18-2

OPTIMUM THRUST TO WEIGHT RATIO FOR ORBITAL TRANSFER - CIRCULAR TO ELLIPTICAL ORBIT
NASA-TM-X-50279 N63-19391 18-2

NUMERICAL ANALYSIS OF EARTH-MOON TRAJECTORIES
AIAA PAPER-63-150 N63-19473 19-2

RANGER PROJECT OPERATIONAL PREPARATIONS N63-19539 19-3

TRAJECTORY SIMULATION FOR STABILITY AND CONTROL STUDIES OF MULTIENGINE BOOSTERS
NASA-TN-D-1838 N63-19734 19-2

NUMERICAL ANALYSIS OF EARTH-MOON TRAJECTORIES
NASA-TM-X-50185 N63-19943 19-2

ERROR SOURCE DETERMINATION IN INERTIAL GUIDANCE SYSTEM MEASUREMENTS FROM SATURN I BOOSTER
NASA-TM-X-50184 N63-19944 19-2

THREE-BODY MOON-EARTH SATELLITE ORBIT AND TRAJECTORY CALCULATIONS FOR INJECTION AND PERISELENUM
NASA-TM-X-50278 N63-19963 19-2

OSCILLATING BODY OF REVOLUTION IN SUPERSONIC FLOW
NASA-TM-X-50217 N63-19988 19-0

SPACE FLIGHT ADAPTIVE GUIDANCE THEORY - CELESTIAL MECHANICS, CALCULUS OF VARIATIONS, COMPUTER PROGRAMS, & SATURN VEHICLE APPLICATIONS
NASA-TM-X-50237 N63-20191 20-2

SPACE VEHICLE CONFIGURATION EFFECTS ON STRUCTURAL BENDING FREQUENCIES AND AERODYNAMIC STABILITY
NASA-TM-X-50231 N63-20193 20-3

RENDEZVOUS COMPATIBLE SPACECRAFT ORBIT CALCULATION FOR 150 TO 850-KM REGION
NASA-TM-X-50230 N63-20196 20-2

THEORY OF SPACE FLIGHT AND ADAPTIVE GUIDANCE
NASA-TM-X-50252 N63-20206 20-2

GEOMETRICAL CHARACTERISTICS OF COPLANAR EARTH-MOON TRAJECTORIES IN JACOBIAN THREE-BODY MODEL
NASA-TM-X-50277 N63-20207 20-2

TRAJECTORY ANALYSIS USING ACCESSORY MINIMUM PROBLEM IN THE CALCULUS OF VARIATIONS
NASA-TM-X-50251 N63-20209 20-2

REFLECTIVE UNFIRED CERAMIC THERMAL INSULATION FOR BASE OF SATURN LAUNCH VEHICLE BOOSTER STAGE
NASA-TM-X-50242 N63-20215 20-1

LUNAR LANDING MISSION - NAVIGATION & GUIDANCE
AIAA PAPER-63-344 N63-20492 20-2

HIGH ALTITUDE ALTIMETER FOR SATURN BOOSTER
AIAA PAPER 63-352 N63-20759 21-3

MANAGEMENT OF SPACE PROGRAM AT FIELD CENTER - NAS N63-21152 21-0

GROUND SUPPORT SYSTEM AND LAUNCHING FACILITIES FO SATURN SPACE VEHICLE
ARS PAPER-1425-60 N63-21341 21-3

DIFFERENTIATION OF OUTGASSING AND EVAPORATION PRODUCTS OF MATERIALS ON EXPOSURE TO REDUCED PRESSURES

NASA-TM-X-50413 N63-21365 22-19

ERROR ANALYSIS OF PROPULSION SYSTEM FOR SATURN I - SA-1 BOOSTER
NASA-TM-X-50286 N63-21625 22-27

METHODS, EQUIPMENT AND MATERIALS FOR POTTING ELECTRICAL CONNECTORS OF CABLE ASSEMBLIES WITH EPOXY RESINS
NASA-TM-X-50375 N63-21651 22-19

PICTORIAL PROGRESS OF SATURN LAUNCH VEHICLE - TRANSPORTATION, LAUNCHING, TEST FACILITIES
NASA-TM-X-50558 N63-21726 22-30

SECOND STAGE ENGINE CHARACTERISTICS EFFECT ON TRAJECTORY SHAPE, WEIGHT AT CUTOFF AND CONTROL HISTORY OF CIRCULAR ORBITING VEHICLE
NASA-TM-X-50407 N63-21728 22-22

PREDICTION OF ROCKET VEHICLE ENVIRONMENT - STATISTICAL ANALYSES OF STRUCTURAL CONFIGURATION IN VIBRATION
NASA-TN-D-1836 N63-21889 22-33

CALCULATIONS OF SUPERSONIC FLOW FIELDS ABOUT SPHERICAL CAPPED BODIES - BLUNT BODY THEORY
NASA-TM-X-50419 N63-21900 22-02

CHEMICAL PROPULSION FOR INTERPLANETARY FLIGHT AND DESIGN OF SPACECRAFT FOR BRAKING INTO ORBIT AROUND PLANET MARS
NASA-TM-X-50470 N63-21901 22-27

NOISE PRESSURE LEVEL DISTRIBUTION BY SATURN BOOSTERS DURING LAUNCHING
NASA-TM-X-50472 N63-21910 22-23

TRANSDUCERS CAPABLE OF SMALL FLOW RATE MEASUREMENT FROM LEAKS IN FLANGES OF SATURN ENGINE SYSTEMS
NASA-TM-X-50421 N63-21915 22-27

MERCURY-REDSTONE LAUNCH VEHICLE DEVELOPMENT AND PERFORMANCE N63-21955 22-32

CALCULATION OF COEFFICIENTS USED TO REDUCE EFFECT OF RANDOM ERROR IN FLIGHT TEST OBSERVATIONS
NASA-TM-X-50287 N63-21995 22-20

PERFORMANCE ANALYSIS OF HIGH-ENERGY CHEMICAL STAGES FOR INTERPLANETARY MISSIONS - DEPARTURE FROM EARTH ORBIT
NASA-TM-X-50288 N63-22018 22-31

LUNAR ESCAPE BY SINGLE-STAGE ROCKET OF CONSTANT THRUST
NASA-TM-X-50816 N63-22173 23-29

YAW & PITCH ANGLE TRANSDUCER - WIND TUNNEL & LABORATORY TESTS AT TRANSONIC AND SUPERSONIC SPEEDS
NASA-TM-X-50866 N63-22196 23-02

OPTIMAL TRAJECTORY GEOMETRY AND THRUST PROGRAMMING
NASA-TM-X-50843 N63-22277 23-22

TRAJECTORY PARAMETERS FOR LUNAR BRAKING MANEUVERS FOR VARIOUS TRANSFER TIMES AND LUNAR ORBIT ALTITUDES
NASA-TM-X-50804 N63-22393 23-29

MONTE CARLO COMPUTER TECHNIQUE APPLIED TO FOCUSING OF CRYOPUMP CONFIGURATIONS IN FREE MOLECULAR FLOW REGION
NASA-TM-X-50944 N63-22511 23-11

ELECTROPLATING ON TITANIUM-ALUMINUM-VANADIUM ALLOY
NASA-TM-X-50955 N63-22538 23-18

ASPECTS OF SOUND PROPAGATION IN ATMOSPHERE
NASA-TM-X-50842 N63-22583 23-12

STRESS CORROSION PROPERTIES OF HIGH STRENGTH ALUMINUM ALLOYS
NASA-TM-X-50924 N63-23014 24-18

ABORT FROM COPLANAR CIRCUMLUNAR ORBIT
NASA-TM-X-50805 N63-23027 24-30

COMPARISON OF METAL ARC WELDED AND TUNGSTEN ARC WELDED ALUMINUM ALLOY - WELD STRENGTH EVALUATION
NASA-TM-X-50837 N63-23028 24-18

CLOSED FORM SOLUTION TO LINEAR DIFFERENTIAL EQUATIONS FOR APPLICATION TO MISSILE CONTROL ELECTRIC CIRCUITS
NASA-TM-X-50813 N63-23030 24-09

DUAL RATE GYRO APPROACH TO ELASTIC FEEDBACK PROBLEM
NASA-TM-X-50814 N63-23031 24-15

BIBLIOGRAPHY OF 1962 ENGINEERING MATERIALS PUBLICATIONS
NASA-TM-X-50836 N63-23032 24-19

APPARATUS FOR DETERMINING LOW TEMPERATURE THERMOCONDUCTIVITY OF METALS AND ALLOYS
NASA-TM-X-50852 N63-23040 24-13

EIGENVALUES ASSOCIATED WITH PARTITION FUNCTION OF ATOMS IN INTERIOR OF PLASMAS - MATHEMATICAL TREATMENT OF IONIZATION
NASA-TN-D-1111 N63-23122 24-24

SPACE TRANSPORTATION SYSTEMS FOR MANNED SPACE FLIGHT SUPPORT N63-23231 24-30

EFFECT OF PROPELLANT SLOSHING ON STABILITY OF ACCELEROMETER CONTROLLED RIGID SPACE VEHICLE
NASA-TN-D-1831 N63-23677 24-26

ABLATION-TYPE THERMAL PROTECTION OF OBJECTS TRAVERSING AN ATMOSPHERE - EARTH AND MARS
NASA-TM-X-50999 N63-23818 24-13

MASS FLOW MEASUREMENT USING ORIFICES IN IMPULSE BASE FLOW FACILITY
NASA-TM-X-50998 N63-23819 24-26

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. SPACE TASK GROUP, LANGLEY STATION, VA.
MERCURY PROJECT - ROLE OF ASTRONAUT IN SPACE N63-10243 01-14

MERCURY PROJECT - HISTORY, R&D, PROBLEMS, SPACECRAFT, IMPACT, RECOVERY N63-10244 01-32

NATIONAL AERONAUTICS AND SPACE COUNCIL, WASHINGTON, D.C.
AERONAUTICS AND SPACE ACTIVITIES - U.S. PRESIDENTIAL REPORT TO CONGRESS N63-13691 08-01

SPACE STATIONS AND THE NATIONAL SPACE PROGRAM N63-23230 24-32

NATIONAL BERYLLIA CORP., HASKELL, N.J.
LOW DENSITY THERMAL INSULATION MATERIALS FOR USE ABOVE 3000-DEG F N63-13520 08-13

MATRIX AND COMPOSITE MATERIALS OF ZIRCONIUM OXIDE, THORIUM OXIDE, AND MAGNESIUM OXIDE WITH TUNGSTEN - PROTECTIVE COATINGS FOR THERMAL INSULATION
NASA-CR-50877 N63-20259 20-19

BERYLLIUM OXIDE DIELECTRICS IN AEROSPACE TECHNOLOGY N63-22700 23-09

NATIONAL BUREAU OF STANDARDS, BOULDER, COLO.
EMISSION STABILIZATION OF THERMIONIC DIODE NOISE
NBS-TN-160 N63-11031 03-09

BIBLIOGRAPHY ON RADIO DIRECTION FINDING AND RELATED IONOSPHERIC PROPAGATION TOPICS
NBS-TN-127 N63-11032 03-08

MEAN ELECTRON DENSITY VARIATIONS OF THE QUIET IONOSPHERE, OCT. 1959
NBS-TN-40-8 N63-11033 03-12

RADIO NOISE MEASUREMENTS - MARCH, APRIL, MAY 1962
NBS-TN-18-14 N63-11047 03-08

LIFETIME AND MOVEMENT OF ARTIFICIALLY PRODUCED ELECTRON CLOUDS OBSERVED WITH SPACED IONOSONDES N63-11246 03-12

MEAN ELECTRON DENSITY VARIATIONS OF THE QUIET IONOSPHERE, SEPT. 1959
NBS-TN-40-7 N63-11357 03-12

MEAN ELECTRON DENSITY VARIATIONS OF THE QUIET IONOSPHERE - COMPUTER CALCULATIONS, 1959-1960
NBS-TN-40-13 N63-11358 03-12

CRYOGENIC R&D - HYDROGEN THERMOPHYSICAL PROPERTIES
NBS-7607 N63-11544 03-23

RADIO REFRACTIVE INDEX, SURVEY OF METHODS - RADIOSONDES, REFRACTOMETERS & TEMPERATURE, PRESSURE & AIR DENSITY
NBS-TN-99 N63-11623 04-15

SYNOPTIC RADIO METEOROLOGY
NBS-TN-98 N63-11631 04-21

PROFILES OF ELECTRON DENSITY OVER MAGNETIC EQUATOR OBTAINED USING INCOHERENT SCATTER TECHNIQUE
NBS-7633 N63-11980 05-12

CRYOGENIC INSTRUMENTATION SURVEY - CRYOGENIC PRESSURE, LIQUID LEVEL & FLOW RATE INSTRUMENTATION
N63-12099 05-15

USING A NUMERICAL MAP OF IONOSPHERIC CHARACTERISTICS - COMPUTER METHODS
N63-12210 05-08

THERMODYNAMIC PROPERTIES OF NITROGEN FROM 64-DEG TO 300-DEG K BETWEEN 0.1 AND 200-ATMOSPHERES
NBS-TN-129 N63-12472 06-23

THERMAL MECHANISMS OF ATMOSPHERE AT F-REGION HEIGHTS
NBS-TN-162 N63-12645 06-12

CRYOGENICS - LIQUID PROPELLANTS, BUBBLE CHAMBER, NEUTRON BOMBARDMENT, THERMONUCLEAR FUSION, AND CRYOPUMPING
NBS-R-213 N63-12669 06-26

DIELECTRIC CONSTANT OF LIQUID PARAHYDROGEN
NBS-TN-144 N63-12695 06-23

ELASTOMERIC POLYMERS AS SEALS AT CRYOGENIC TEMPERATURES
NBS-7234 N63-12706 06-19

FADING CORRELATION BANDWIDTH AND SHORT-TERM FREQUENCY STABILITY ON HIGH-FREQUENCY TRANSAURORAL PATH
NBS-TN-165 N63-13031 07-08

CRYOGENICS - HYDROGEN, INSTRUMENTATION, THERMAL PROPERTIES, AND PHYSICAL PROPERTIES
NBS-7641 N63-13225 07-23

THERMOPHYSICAL PROPERTIES OF OXYGEN AT LOW TEMPERATURE - BIBLIOGRAPHY
NBS-TN-137 N63-14810 11-19

METHODS FOR CALIBRATION OF POTENTIOMETER
NBS-TN-172 N63-14842 11-23

ATMOSPHERIC RADIO NOISE, JUNE TO AUGUST, 1962
NBS-TN-18-15 N63-14853 11-08

ELECTRON COLLISION PROPORTIONAL TO ENERGY IN RADIO WAVE REFLECTION & TRANSMISSION
NBS-TN-164 N63-14864 11-24

ERROR ANALYSIS IN MULTIPLE FREQUENCY SYSTEMS AND SIGNAL-TO-NOISE RATIO OF FREQUENCY-MODULATION AND PULSE CODE MODULATION-FREQUENCY-SHIFT SYSTEMS
NBS-TN-167 N63-14967 11-08

SOLAR PROTON EVENT INFORMATION FROM IONOSPHERIC RADIO OBSERVATIONS N63-15120 11-28

TABLE OF ATTENUATION VALUES TO FACILITATE DETERMINATION OF FERRIMAGNETIC RESONANCE LINEWIDTH OF NONMETALLIC MAGNETIC MATERIALS
NBS-TN-173 N63-16050 13-25

TABLES OF IONOSPHERIC DATA - NOV 1956 TO SEPT 1962
N63-16364 14-12

MEAN ELECTRON DENSITY PROFILES OF IONOSPHERE FROM VERTICAL SOUNDING FLIGHTS
NBS-TN-40-9 N63-16461 14-1

MEAN ELECTRON DENSITY VARIATION OF QUIET IONOSPHERE
NBS-TN-40-10 N63-16462 14-1

COMPILATION OF SOLAR-GEOPHYSICAL DATA
N63-16498 14-2

SPECIFIC HEAT AT CONSTANT VOLUME OF PARA-HYDROGEN AT TEMPERATURES FROM 15 TO 90-DEG K AND PRESSURES TO 340 ATM
NBS-R-270 N63-16685 14-2

SPECIFIC HEAT OF SATURATED LIQUID PARA-HYDROGEN FROM 15 TO 32-DEG K AS MEASURED BY A CALORIMETER CRYOSTAT
NBS-R-269 N63-16687 14-2

VAPOR PRESSURE OF PARA HYDROGEN BETWEEN ITS BOILING POINT /20 DEG K/ AND ITS CRITICAL POINT /33 DEG K/ - CRYOGENIC THERMODYNAMICS
NASA-CR-50159 N63-16732 14-1

INTERPOLATION PROCEDURE FOR CALCULATING ATMOSPHERIC BAND ABSORPTION FROM LABORATORY DATA - ABSORPTION OF INFRARED RADIATION
NBS-TN-178 N63-16744 14-1

RADIO COMMUNICATION DIPOLE ANTENNA - POWER ABSORPTION AND LOSS DUE TO GROUND PROXIMITY AT TRANSMITTER AND RECEIVER
NBS-TN-175 N63-16900 14-0

ELECTRON CONTENT OF IONOSPHERE AT MIDDLE LATITUDES NEAR PEAK OF SOLAR CYCLE N63-16954 14-1

MELTING PRESSURE EQUATION FOR HYDROGENS
R-271 N63-17135 15-1

DENSITIES OF SATURATED LIQUID HYDROGEN
R-226 N63-17136 15-2

DRY GAS OPERATION OF BALL BEARINGS AT CRYOGENIC TEMPERATURES
R-201 N63-17138 15-1

ELECTROMECHANICAL MEASUREMENT OF DENSITY OF FLOWING CRYOGENIC FLUIDS
R-274 N63-17149 15-1

THERMODYNAMIC PROPERTIES OF HELIUM AT LOW TEMPERATURES
R-229 N63-17169 15-1

RADIO NOISE DATA, SEPTEMBER, OCTOBER, NOVEMBER, 1962
NBS-TN-18-16 N63-18361 17-0

THERMODYNAMIC PROPERTIES OF NORMAL HYDROGEN FROM SATURATION TEMP TO 540-DEG R AND FROM 10 TO 1500 PSIA
NBS-TN-120A N63-18983 18-2

IONOSPHERIC PREDICTIONS BASED ON NUMERICAL METHODS OF MAPPING N63-18998 18-1

GRAPHICAL REPRESENTATIONS OF GEOGRAPHIC VARIATIONS OF FOURIER COEFFICIENTS OBTAINED FROM DIURNAL ANALYSIS OF FOF2 MONTHLY MEDIANS
NBS-TN-142 N63-19022 18-1

BULK DENSITY OF BOILING LIQUID OXYGEN
N63-19099 18-2

NAVAL RESEARCH LABORATORY LYMAN-ALPHA RADIATION MEASUREMENTS N63-19700 19-0

ATTENUATION ERROR AS FUNCTION OF VANE-ANGLE ERROR - WAVEGUIDE ATTENUATOR
NBS-TN-177 N63-19984 19-0

COMPUTER PROGRAM FOR IONOSPHERIC MAPPING BY NUMERICAL METHODS
NBS-TN-181 N63-20686 20-1

CONCEPTS OF ANTIPODAL FOCUSING AND ITS SIGNIFICANT

USE IN VLF PROPAGATION
NBS-TN-182 N63-20736 21-08

ELECTRON DENSITY VARIATIONS OF QUIET IONOSPHERE
NBS-TN-40-11 N63-21157 21-12

BEAM ELEVATION RELATIONS CALCULATED BY PATH LOSS PREDICTION METHODS BASED ON TROPOSCATTER COMMUNICATION MEASUREMENTS
NBS-TN-180 N63-21446 22-12

INTRINSIC ATTENUATION OF MICROWAVE NETWORK IN TERMS OF SCATTERING COEFFICIENT
N63-21854 22-23

CHOKING TWO-PHASE FLOW OF HYDROGEN - THREE MODELS OF SATURATED, TWO PHASE FLUID FLOW
N63-22316 23-11

LUNAR OCCULTATION OF TAURUS A & IC443 RADIO SOURCES - HIGH RESOLUTION ANGULAR BRIGHTNESS DISTRIBUTION
NBS-TN-184 N63-23431 24-08

IONOSPHERE - ELECTRON DENSITIES IN D-, E-, AND F-LAYERS RELATED TO RADIO COMMUNICATION - USE OF RADAR AND TOPSOUNDING SATELLITE MEASUREMENTS
N63-23442 24-12

NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C.
STRESS RELAXATION OF FLUOROCARBON ELASTOMERS DURING GAMMA IRRADIATION N63-12705 06-19

INFLUENCE OF GAMMA RADIATION AND ALKALI TREATMENT ON PYROLYSIS OF POLYTRIFLUOROETHYLENE
N63-12707 06-07

VOLATILIZATION AND DECOMPOSITION OF FLUOROPOLYMERS DETERMINED BY PYROLYSIS N63-12806 06-07

BIBLIOGRAPHY ON ATOMIC TRANSITION PROBABILITIES
NBS-MONOGRAPH-50 N63-13634 08-23

PRESSURE INDUCED SHIFTS OF INFRARED LINES DUE TO POLAR MOLECULES
AFCRL-63-231 N63-13667 08-23

TOPSIDE SOUNDINGS OF IONOSPHERE
NASA-TN-D-1538 N63-13838 09-12

LOW TEMPERATURE ULTRAVIOLET ABSORPTION SPECTRA OF OXYGEN IN LIQUID AND SOLID MEDIA - ARGON AND NITROGEN
NBS-7829 N63-14224 09-07

BIBLIOGRAPHY AND INDEX OF VACUUM AND LOW PRESSURE MEASUREMENT
NBS-MONOGRAPH-35 N63-14845 11-15

MAGNETIC QUANTITIES AND MAGNETIC PROPERTIES OF MATERIALS
NBS-MONOGRAPH-47 N63-14846 11-23

PROPERTIES OF GLASS AT HIGH TEMPERATURES FOR AIRCRAFT CONSTRUCTION
WADC-TR-56-645, PT. VI N63-15269 12-19

CALORIMETER MEASUREMENT OF ENTROPHY CHANGES - ELECTROCHEMISTRY N63-15309 12-07

TRANSMISSION AND REFLECTION OF ELECTRONS BY ALUMINUM FOIL - COEFFICIENTS
NBS-TN-187 N63-15566 12-18

HEAT RESISTANT PROPERTIES OF GLASSES
WADC-TR-56-645, PT. VII N63-15664 12-19

ANALYSIS OF COAXIAL TWO-TERMINAL CONICAL CAPACITOR
NBS-MONOGRAPH-46 N63-16840 14-09

DIELECTRIC CONSTANT OF CHROMIUM SESQUIOXIDE CRYSTALS N63-17147 15-25

PRESSURE-DENSITY-TEMPERATURE RELATIONS OF FLUID PARA HYDROGEN FROM 15 TO 100-DEG K AT PRESSURES TO 350 ATMOSPHERES - THERMODYNAMICS
R-276 N63-17158 15-11

ENVIRONMENT EFFECT ON FATIGUE FAILURE IN METALS - COPPER-, IRON-, AND ALUMINUM ALLOYS
NASA-CR-50326 N63-17199 15-33

SPIN LATTICE RELAXATION OF A COPPER SALT CRYSTAL
N63-17383 15-25

GAS-TIGHT POLYETHYLENE SLEEVE FOR ROTATING-BEAM FATIGUE TESTING MACHINES
NASA-CR-50407 N63-18176 16-33

STRUCTURE SHIELDING AGAINST FALLOUT RADIATION FROM NUCLEAR WEAPONS
NBS-MONOGRAPH-42 N63-18195 16-34

ABSORPTION SPECTRUM OF SHORT-LIVED PINK AFTERGLOW OF NITROGEN PHOTOGRAPHED IN VACUUM ULTRAVIOLET FROM 1600 TO 1150 ANGSTROMS
NASA-CR-50485 N63-18367 17-23

ATOMIC RECOMBINATIONS INVOLVING NITROGEN ATOMS, HYDROGEN ATOMS AND OZONE - EMISSION SPECTRUM - ABSORPTION STUDIES N63-18564 17-07

NBS 1962 RESEARCH HIGHLIGHTS - PHYSICS, CHEMISTRY, ELECTRONICS, AND MATERIALS SCIENCE
N63-18651 17-01

CONNECTION BETWEEN FERROELECTRIC SWITCHING AND SIEVERT INTEGRAL - SWITCHING FUNCTIONS OF LANDAUER AND FRANKLIN N63-18844 18-23

RELATION OF DISLOCATIONS AND DISLOCATION BEHAVIOR TO MECHANICAL BEHAVIOR OF CERAMIC MATERIALS
NBS-MONOGRAPH-59 N63-19993 19-19

MICROBALANCE TECHNIQUE FOR VAPORIZATION RATE ANALYSIS OF REFRACTORY SUBSTANCES AND DESCRIPTION OF ION PUMPING SYSTEM N63-19996 19-15

VISCOMETER AND VISCOMETER CALIBRATING FLUIDS FOR CAPILLARY TUBE MEASURMENTS
NBS-MONOGRAPH-55 N63-20408 20-11

DRAG COMPENSATION, MEASUREMENT, AND REDUCTION FOR MANNED SATELLITES N63-20511 20-32

SPHEROIDAL METHOD FOR CALCULATING SATELLITE ORBITS
N63-20515 20-29

ESTIMATES OF MUTUAL INTERFERENCE BETWEEN SURFACES AND SATELLITE COMMUNICATION SYSTEMS
NBS-TN-126 N63-20739 21-08

ELECTRON OPTICAL STUDIES OF LOW-PRESSURE GASES
NBS MONOGRAPH-66 N63-20745 21-11

SELECTION OF A SYSTEM OF ELECTRICAL AND MAGNETIC UNITS - RATIONALIZATION
NBS-MONOGRAPH-56 N63-20767 21-09

RADIOMETRIC CALIBRATIONS IN ULTRAVIOLET SPECTRUM OF LIGHT RADIATION N63-20862 21-23

THERMODYNAMIC PROPERTIES OF AIR IN CHEMICAL EQUILIBRIUM
AEDC-TDR-63-161 N63-20997 21-13

RELATION OF SPECTRAL EMITTANCE TO OTHER OPTICAL PROPERTIES N63-23070 24-23

BIBLIOGRAPHY - ATOMIC TRANSITION PROBABILITIES
N63-23399 24-23

MEASURING OR COMPENSATING ATMOSPHERIC DRAG IN MANNED SATELLITE N63-23782 24-30

NATIONAL CANCER INST., BETHESDA, MD.
HUMAN BODY TEMPERATURE CONTROL IN WARM AND COLD ENVIRONMENT N63-17732 16-16

NATIONAL CARBON CO., LAWRENCEBURG, TENN.
HIGH TEMPERATURE GRAPHITE MATERIALS FOR AEROSPACE SYSTEMS N63-19673 19-18

PYROLYTIC COATING ON INDIVIDUAL FILAMENTS OF CARBON YARN N63-20820 21-19

NATIONAL CARBON CO., PARMA, OHIO.
ENCAPSULATION OF LIQUID PROPELLANT WITHIN POLYMER

WALL N63-10090 01-07

ELECTRON SPIN RESONANCE IN POLYCRYSTALLINE GRAPHITE
WADD-TR-61-72, VOL. VIII N63-10630 02-19

STRUCTURES OF TAR AND PITCH BINDERS USED IN THE FABRICATION OF GRAPHITE BODIES
WADD-TR-61-72, VOL. XI N63-10714 02-19

ANISOTROPIC ELASTIC CONTINUUM THEORY APPLIED TO DISLOCATION IN GRAPHITE
WADD-TR-61-72, VOL. II N63-15043 11-25

CREEP OF CARBONS AND GRAPHITES IN FLEXURE AT HIGH TEMPERATURES - ACTIVATION ENERGIES AND GRAIN ORIENTATION, GRAPHITE CRYSTALLOGRAPHY
WADD-TR-61-72, VOL. VI N63-15044 11-19

PHASE EQUILIBRIUM RELATIONS OF METAL CARBIDES AT HIGH TEMPERATURES
WADD-TR-60-143, PT. IV N63-15754 12-18

HIGH TEMPERATURE GRAPHITE MATERIALS FOR AEROSPACE SYSTEMS N63-19673 19-18

ELECTRON SPIN RESONANCE MEASUREMENTS DURING PYROLYSIS - CARBONIZATION OF ORGANIC COMPOUNDS TO GRAPHITE
WADD-TR-61-72, VOL. 16 N63-20116 20-07

HIGH TEMPERATURE TENSILE CREEP OF GRAPHITE
WADD-TR-61-72, VOL. 18 N63-20416 20-19

NATIONAL CASH REGISTER CO., DAYTON, OHIO.
ENCAPSULATION OF LIQUID PROPELLANT WITHIN POLYMER WALL N63-10090 01-07

CHEMICALLY SPRAYED THIN FILM PHOTOVOLTAIC CONVERTER N63-22340 23-09

NATIONAL CHEMICAL LAB., TEDDINGTON /GT. BRIT./
SYMPOSIUM ON ANTI-CORROSION PROTECTION, BRATISLALA, 1962 N63-22537 23-18

NATIONAL COMMITTEE FOR INTERNATIONAL GEOPHYSICAL COORDINATION, SCIENCE COUNCIL OF JAPAN, TOKYO.
DATA ON ATMOSPHERICS, RADIO NOISE, WHISTLERS, AND SOLAR RADIO EMISSIONS N63-15256 12-08

NATIONAL ENGINEERING LAB., EAST KILBRIDE /GT. BRIT./
STRESS CREEP, RELAXATION, FATIGUE, AND FRACTURE OF METAL ALLOYS AT HIGH TEMPERATURE N63-15926 13-18

RAMLESS HYDROSTATIC EXTRUSION OF METALS BY FLUID PRESSURE
NEL-32 N63-19330 18-17

COLD EXTRUSION OF BRITTLE MATERIALS AGAINST HYDROSTATIC PRESSURE
NEL-31 N63-19407 19-33

FATIGUE CRACK BEHAVIOR - FATIGUE TEST STUDIES OF CRACK PROPAGATION AND GROWTH - METALLURGY N63-20090 20-18

NATIONAL ENGINEERING SCIENCE CO., PASADENA, CALIF.
BROMODICHLOROHEXAFLUOROBUTANE FOR USE IN IN-FLIGHT FIRE EXTINGUISHERS FOR SUPERSONIC TRANSPORT N63-18082 16-19

STRESS WAVE INTERACTION IN SOIL-LIKE MEDIUM - THEORETICAL ANALYSIS OF BLAST ON UNDERGROUND PROTECTIVE CONSTRUCTION
SWC-TDR-63-43 N63-18791 18-33

FLOW INTERFERENCE CAUSED BY SECONDARY INJECTION IN ADVERSE PRESSURE GRADIENT NOZZLES - BOUNDARY LAYER PARAMETER INVESTIGATIONS
NASA-CR-50606 N63-19939 19-02

NATIONAL GAS TURBINE ESTABLISHMENT, PYESTOCK /GT. BRIT./
APPROXIMATION METHOD TO ESTIMATE DESIGN POINT EFFICIENCY OF AXIAL FLOW TURBINES
NGTE-M-59 N63-14538 10-06

NATIONAL LEAD CO., NIAGARA FALLS, N.Y.
THERMOELECTRIC CONVERSION OF POLYCRYSTALLINE CERAMIC MATERIALS N63-23494 24-18

NATIONAL LEAD CO. OF OHIO, CINCINNATI.
ELECTRON BEAM MELTING OF URANIUM FOR REMOVAL OF CONTAMINANTS
NLCO-881 N63-17386 15-07

REMOVAL OF ORGANIC MATERIAL CONTAMINANTS FROM TRIBUTYL PHOSPHATE KEROSENE SOLVENT
NLCO-882 N63-17916 16-07

NUCLEAR SCIENCE & TECHNOLOGY - BARYON & NEUTRINO DOUBLETS, NUCLEAR & COSMIC RADIATION IN OCEAN, & HALF-LIVES OF CESIUM 137 AND COBALT 60 N63-21179 21-23

NATIONAL NAVAL MEDICAL CENTER, BETHESDA, MD.
CRANIAL MEASUREMENTS OF HUMAN INTERNAL BODY TEMPERATURE N63-19103 18-16

HUMAN AND ANIMAL GRADIENT LAYER CALORIMETRY N63-20073 20-16

NATIONAL PHYSICAL LAB., NEW DELHI /INDIA/.
IONOSPHERIC EFFECTS OF LONG RANGE NUCLEAR DETONATIONS
RPU-S-10 N63-15869 13-12

RADIO PROPAGATION - STUDIES OF EQUATORIAL IONOSPHERE F-REGION
RPU-S-9 N63-16044 13-12

COMPUTATIONS FOR ASSUMED DISTRIBUTIONS OF RECOMBINATION COEFFICIENTS IN LOWER IONOSPHERE
RPU-S11 N63-21449 22-12

IONOSPHERE TOTAL ELECTRON CONTENT & ITS VARIATIONS FROM FARADAY FADING OF COSMOS V 20-MEGACYCLE TRANSMISSIONS
RPU-S12 N63-22300 23-09

NATIONAL PHYSICAL LAB., TEDDINGTON /GT. BRIT./
WIND TUNNEL TESTS OF FLOW AROUND A CIRCULAR CYLINDER FITTED WITH HELICAL STRAKES
NPL/AERO/1040 N63-10895 02-32

FLUTTER IN ONE DEGREE OF FREEDOM - AEROELASTICITY N63-14119 09-33

VISIBILITY OF SINGLE AND GROUPED PATCHES OF LIGHT AT NIGHT TO DARK-ADAPTED OBSERVER - VISUAL TARGET DISCRIMINATION COUNTERMEASURE APPLICATIONS N63-16226 13-14

N.P.L. AIRFOIL CATALOG AND BIBLIOGRAPHY
NPL-R&M-3311 N63-16797 14-03

PROBE TO MEASURE MASS FLOW PER UNIT AREA OF SHORT DURATION FLOWS IN HYPERSONIC SHOCK TUNNEL
NPL/AERO/1004 N63-16940 14-11

AEROELASTICITY - WIND TUNNEL TEST METHODS FOR MEASURING OSCILLATORY DERIVATIVES OF AIRCRAFT MODELS - STABILITY AND FLUTTER N63-17820 16-33

AEROELASTICITY - SIMILARITY REQUIREMENTS FOR SCALE MODEL FLUTTER TESTS N63-17821 16-33

ACOUSTICS - SUBJECTIVE MEASUREMENT OF NOISE N63-18242 17-23

STRESS GRADIENT INFLUENCE ON INITIATION AND PROPAGATION OF FATIGUE CRACKS - METALLURGY N63-20091 20-18

HYPERSONIC FLOW THEORY - METHOD FOR OBTAINING SECOND ORDER SOLUTIONS TO HYPERSONIC SMALL DISTURBANCE THEORY FOR BLUNT BODIES
NPL-AERO-1035 N63-22163 23-11

NATIONAL PHYSICAL LAB. OF ISRAEL, JERUSALEM.
CHEMICAL, OPTICAL, AND MATHEMATICAL INVESTIGATIONS OF THIN ABSORBING FILMS ON METAL SUBSTRATES
AFCRL-62-1045 N63-10120 01-23

IATIONAL PLANNING INST., CAIRO /EGYPT/.
QUADRANTID METEOR SHOWER N63-16665 14-29

IATIONAL RESEARCH AND DEVELOPMENT CORP., ATLANTA, GA.
NUTRITIONAL ASPECTS OF MANNED SPACE FLIGHT N63-12482 06-16

IATIONAL RESEARCH CORP., CAMBRIDGE, MASS.
THERMODYNAMIC PROPERTIES OF BIMETALLIC POWDERS N63-10197 01-26

PHOTOEMISSIVE SOLAR ENERGY CONVERTER
ASD-TDR-62-600 N63-10616 02-06

THERMODYNAMIC PROPERTIES OF BIMETALLIC COMPOUNDS N63-11703 04-07

SURFACE AND MECHANICAL PROPERTIES OF STRUCTURAL MATERIAL - FATIGUE OF ALUMINUM IN VACUUM N63-14753 11-18

HEAT OF FORMATION OF LITHIUM ALUMINUM HYDRIDE N63-15746 12-07

DEEP SPACE ENVIRONMENT SIMULATION - THERMAL AND VACUUM LEVEL SIMULATION
IAS PAPER-63-56 N63-18862 18-29

ULTRAHIGH VACUUM AND TEMPERATURE EFFECTS ON VIABILITY OF SPORE AND SOIL ORGANISMS N63-19474 19-16

VACUUM EQUIPMENT IN DYNAMIC ENVIRONMENTAL SIMULATION N63-20884 21-23

VIABILITY OF SPORES SUBJECTED TO ULTRAHIGH VACUUM, GAMMA RADIATION, AND ELEVATED TEMPERATURES
NASA-CR-51102 N63-21109 21-16

TANTALUM ALLOY FOR HIGH PERFORMANCE PROPULSION SYSTEM COMPONENTS N63-22804 23-18

SPACE METALS FOR FUTURE USE - SUPERCONDUCTORS N63-23234 24-19

IATIONAL RESEARCH COUNCIL, WASHINGTON, D.C.
HEARING & BIOACOUSTICS - NRL ACTIVITIES - 1962 N63-12824 06-16

PROPOSED UNITED STATES PROGRAM FOR INTERNATIONAL QUIET SUN YEARS /IQSY/ - GEOPHYSICS, RADIO ASTRONOMY, AND METEOROLOGY N63-15872 13-01

SCIENCE IN ARCTIC OCEAN BASIN - BOTANY, ZOOLOGY, MICROBIOLOGY, PHYSIOLOGY AND MEDICINE, AND ECOLOGY
NAS-NRC-1086 N63-16837 14-16

BIBLIOGRAPHY OF NUCLEAR PHYSICS - 1957-1958 N63-16846 14-23

BIBLIOGRAPHY OF NUCLEAR PHYSICS - 1959-1960 N63-16847 14-23

VISUAL PROBLEMS OF ARMED FORCES & SPACE TRAVEL - RECONNAISSANCE, INTERPRETATION, AND BATTLEFIELD SURVEILLANCE RELATIONS TO HUMAN VISUAL PERCEPTION N63-19241 18-14

RADIATION SICKNESS - SYMPTOMS, INJURY, & RECOVERY WITH TYPES OF TREATMENT
NAS-NRC-1134 N63-20817 21-17

PROCESSING AND EMPIRICAL DEVELOPMENT OF CERAMIC MATERIALS
MAB-195-M N63-23552 24-19

BIOLOGICAL ACTION OF RADIOFREQUENCY MAGNETIC AND ELECTROMAGNETIC FIELDS N63-23563 24-16

NATIONAL RESEARCH COUNCIL OF CANADA, OTTAWA.
PERFORMANCE OF NRC TELEMETRY COMPONENTS IN FIRST BLACK BRANT III DYNAMIC FIRINGS
ERB-619 N63-10462 01-08

MECHANICAL ENGINEERING AND AERONAUTICS - BULLETIN
DME/NAE-1962/3/ N63-10683 02-01

MECHANICAL ENGINEERING BULLETIN - CENTRIFUGAL COMPRESSORS
DME/NAE-1962/4/ N63-13997 09-01

CENTRIFUGAL COMPRESSORS - HISTORY, ANALYSIS, AND LOW TEMPERATURE TESTING N63-13998 09-17

TELEMETRY COMPONENTS PERFORMANCE IN BLACK BRANT III ROCKET DYNAMIC FIRINGS - TRANSISTOR TRANSMITTER & ANTENNAS
ERB-626 N63-14798 11-08

METEOR PATROL FACILITY IN CANADA USING RADAR ECHO TO COUNT METEORS N63-16633 14-05

METEOR SPECTRA - LUMINOSITY N63-16642 14-05

MECHANICAL ENGINEERING AND AERONAUTICS
DME/NAE-1963/1/ N63-18066 16-01

SIMULATION OF HUMAN CONTROL OF VTOL AIRCRAFT USING DIGITAL COMPUTERS N63-18068 16-09

AERONAUTICAL, HYDRODYNAMIC, MECHANICAL, AND THERMODYNAMIC ENGINEERING N63-18069 16-01

KINETICS OF HYDROCARBON-OXYGEN-NITROGEN FLAME SYSTEMS AND MOLECULAR WEIGHTS OF CHAIN CARRIERS N63-18565 17-07

NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PHYSICS OF THE SOLAR SYSTEM N63-10220 01-05

REENTRY DYNAMICS - SPACECRAFT, ATMOSPHERE, THERMAL PROTECTION, TRANSPORT PROPERTIES N63-10230 01-01

ANTARCTIC RESEARCH PROGRAM - BIOLOGY, GEOLOGY, GLACIOLOGY, METEOROLOGY, AND OCEANOGRAPHY
NSF-63-14 N63-18169 16-12

RADIATION EFFECT IN CHEMISTRY, BIOLOGY AND PHYSICS
NASA-CR-50486 N63-18236 17-01

CLOUD FORMATION, SEEDING AND PHYSICS IN WEATHER MODIFICATION AND CONTROL
NSF-63-29 N63-19136 18-16

INTERNATIONAL QUIET SUN YEAR - STUDY OF COSMIC RADIATION IN ANTARCTICA
NSF-63-137 N63-21003 21-28

NATIONAL SCIENCE TEACHERS ASSN., WASHINGTON, D.C.
SPACE SCIENCE - BACKGROUND FOR HIGH SCHOOL STUDENT N63-20175 20-29

NATIONAL SEVERE STORMS PROJECT, KANSAS CITY, MO.
DYNAMICS OF SEVERE CONVECTIVE STORMS
NSSP-9 N63-10209 01-21

KINEMATIC PROPERTIES OF SMALL-SCALE WEATHER SYSTEMS, THUNDERSTORMS AND SEVERE WEATHER PROJECT
NSSP-11 N63-10691 02-21

ANALYSIS OF SEVERE WEATHER FACTOR IN AUTOMATIC AIRCRAFT TRAFFIC CONTROL
NSSP-12 N63-12689 06-21

SFERIC ACTIVITY AND WEATHER CONDITIONS
NSSP-13 N63-17912 16-21

SEVERE WEATHER PROJECT - OBSERVATIONS BY RADAR, RADIOSONDE, SFERICS, AIRCRAFT AND TIROS SATELLITE - ROUGH RIDER PROJECT
NSSP-14 N63-18277 17-21

PENETRATION OF THUNDERSTORMS BY AIRCRAFT FLYING AT SUPERSONIC SPEEDS - RADAR PHOTOGRAPHS AND GUST LOADS IN THREE STORMS OF 1961 ROUGH RIDER
NSSP-15 N63-19173 18-21

AIRCRAFT PHOTOGRAPHIC DATA FROM NATIONAL SEVERE STORMS PROJECT - 1962
NSSP-16 N63-19732 19-21

DATA REDUCTION AND ANALYSIS TECHNIQUES FOR SMALL-SCALE SURFACE NETWORKS - WEATHER FORECASTING
NSSP-17 N63-22726 23-09

THUNDERSTORM WAKE OF MAY 4, 1961 - DRY AIR AND

WAKE DEPRESSION
NSSP-18 N63-23657 24-21

NATIONAL WEATHER SATELLITE CENTER, WASHINGTON, D.C.
CATALOG OF WEATHER MAPS FROM TIROS V CLOUD PHOTOGRAPHS N63-15535 12-32

TIROS V METEOROLOGICAL SATELLITE CLOUD PHOTOGRAPHS N63-15873 13-32

METEOROLOGICAL SATELLITE INSTRUMENTATION - PHYSICAL MEASUREMENTS
NASA-RP-29 N63-21368 22-29

ATMOSPHERE NEAR THE MOON N63-21619 22-29

NAVAL AIR DEVELOPMENT CENTER, JOHNSVILLE, PA.
REVERSIBLE FREE RADICAL GENERATION IN THE MELANIN GRANULES OF THE EYE BY VISIBLE LIGHT
NADC-MA-6212 N63-10192 01-16

EFFECT OF PREOPTIC LESIONS ON TEMPERATURE REGULATION IN CATS
NADC-MA-6213 N63-10193 01-16

HEAT TRANSFER THROUGH FABRIC OF NEW HEAT RESISTANT NONFLAMMABLE SYNTHETIC FIBER IN CONTACT WITH FUEL FLAMES
NADC-MA-6215 N63-12666 06-13

EFFECTS OF APPLIED OCULAR PRESSURE & POSITIVE ACCELERATION ON PHOTIC DRIVING IN MAN
NADC-MA-6214 N63-12716 06-16

EVALUATION OF DIURESIS INDUCED BY IMMERSION IN WATER OF VARYING TEMPERATURE
NADC-MA-6218 N63-12717 06-16

FULL BODY SUPPORT SYSTEMS - AEROEMBOLISM, LINEAR ACCELERATION, HUMAN TOLERANCE N63-12868 07-16

FLAME CONTACT STUDIES - MATHEMATICAL ANALYSIS OF HEAT FLOW
NADC-MA-6216 N63-13011 07-13

FLAME CONTACT DETERMINATION OF THERMAL PROPERTIES OF MATERIALS IN THIN LAYERS
NADC-MA-6217 N63-13013 07-13

AUTOMATIC DATA RECORDING AND ANALYZING FOR PROGRAMMING SYSTEMS
NADC-MA-6302 N63-14239 10-20

TESTING OF URETHANE FOAMS FOR USE AS RIGIDIZING AGENTS IN SELF-INFLATING SPACE VEHICLES
NADC-EL-N6208 N63-16980 14-15

ACCELERATION EFFECTS ON PILOT PERFORMANCE - PSYCHOMOTOR RESPONSE
NADC-MA-6219 N63-17063 15-14

RECORDING INSTRUMENT FOR ENVIRONMENTAL TESTING OF BIOLOGICAL SPECIMENS
NADC-MA-6119 N63-17328 15-15

ANIMAL STUDY - RAT BEHAVIORAL RESPONSE TO EVALUATE INFLUENCE OF ZERO GRAVITY
NADC-MA-6303 N63-17329 15-16

MICROELECTRONIC APPLICATIONS PROGRAM N63-17352 15-10

THIN FILM MICROELECTRONICS N63-17353 15-17

APPLICATION OF ELECTRODE KINETIC THEORY TO REACTIONS CATALYZED BY SURFACES OF SUBCELLULAR PARTICLES - CYTOCHROME OXIDASES - EYE MELANIN
NADC-MA-6306 N63-18385 17-16

LONG-TERM ACCELERATION AND CENTRIFUGE SIMULATION STUDIES ON HUMAN PERFORMANCE AND PHYSIOLOGY N63-19313 18-14

MICROELECTRONICS FOR NAVY AVIONICS EQUIPMENT - STANDARDIZATION OF CIRCUIT ASSEMBLIES
NADC-EL-6319 N63-19446 19-09

DIFFERENTIATIONS OF CONDITIONED RESPONSES IN RATS
NADC-MA-6307 N63-20520 20-16

WATER IMMERSION EFFECTS ON ABILITY TO ESTIMATE POSITION AND FORCE - HUMAN PERFORMANCE
NADC-MA-6115 N63-20693 21-14

HUMAN PERFORMANCE ON RUNNING MATCHING MEMORY /RMM/ TASKS IN A CENTRIFUGE - PSYCHOLOGICAL EFFECT OF ACCELERATION
NADC-MA-6309 N63-20694 21-14

EFFECT OF SEX, WEIGHT, & AGE ON G-FORCE TOLERANCE OF RATS
NADC-MA-6313 N63-22426 23-16

EFFECT OF AGING ON G-TOLERANCE OF RATS
NADC-MA-6314 N63-22427 23-16

WHOLE BODY X-IRRADIATION EFFECT ON NON-PROTEIN AMINO ACIDS AND RELATED COMPOUNDS OF RAT BRAINS AS DETERMINED BY ION EXCHANGE CHROMATOGRAPHY
NADC-MA-6315 N63-22428 23-16

NAVAL AIR ENGINEERING CENTER, PHILADELPHIA, PA.
STATISTICAL SURVEY OF VERTICAL ACCELERATION DATA RECORDED BY COUNTING ACCELEROMETER SYSTEMS AT FOUR PRESET LEVELS FOR ELEVEN NAVAL AIRCRAFT
NAEC-ASL-1063 N63-22850 23-02

NAVAL AIR EXPERIMENTATION STATION, PHILADELPHIA, PA.
CHEMICAL COMPOSITION OF METAL IN SOLID LUBRICANTS N63-17866 16-17

NAVAL AIR MATERIAL CENTER, PHILADELPHIA, PA.
HIGH TEMPERATURE ENVIRONMENTAL TEST FACILITIES TO SIMULATE STRUCTURAL LOADING, VIBRATION, AND NOISE
NAMC-ASL-1042 N63-13567 08-10

STRENGTH OF SPOT WELDING OF TITANIUM ALLOYS AT ROOM AND ELEVATED TEMPERATURES
NAMC-AML-1319 N63-15402 12-18

JET ENGINE COMBUSTOR DURABILITY - FEASIBILITY OF REDUCING LINER TEMPERATURE BY SELECTING LOW FLAME RADIATION JET FUELS N63-16337 13-27

LUBRICATING OIL FOR TURBOSHAFT ENGINES, HELICOPTER TRANSMISSIONS AND TURBOPROP ENGINES N63-17847 16-17

INSTRUMENTED COPPER MANIKIN FOR DETERMINATION OF THERMAL INSULATION PROPERTIES OF PROTECTIVE CLOTHING
NAEC-ACEL-491 N63-19152 18-10

NAVAL AIR STATION, MIRAMAR, CALIF.
THE X-15 AIRCRAFT FLIGHT PROGRAM N63-11158 03-04

NAVAL AIR TEST CENTER, PATUXENT RIVER, MD.
STABILITY AND CONTROL TESTING OF MODEL AO-1AF AIRCRAFT N63-12598 06-04

NAVAL AMMUNITION DEPOT, CRANE, IND.
FACILITIES FOR ENVIRONMENTAL TESTING
QE/C-62-513 N63-11890 04-10

NAVAL AVIONICS FACILITY, INDIANAPOLIS, IND.
MICROELECTRONICS LAB REPORT - FABRICATION METHODS FOR RESISTORS, CONDUCTORS, AND CAPACITORS N63-17354 15-17

NAVAL CIVIL ENGINEERING LAB., PORT HUENEME, CALIF.
ATTENUATION OF GAMMA RADIATION IN A TWO-LEGGED 11-INCH RECTANGULAR DUCT - RADIATION SHIELDING - PROTECTIVE SHELTER INVESTIGATION
R-195 N63-16049 13-23

NAVAL MATERIAL LAB., BROOKLYN, N.Y.
MICROELECTRONICS FOR SHIPBOARD USAGE N63-17359 15-09

NAVAL MEDICAL RESEARCH INST., BETHESDA, MD.
ELECTRICAL AND MECHANICAL INTERFERENCE AND MEANS OF NOISE ELIMINATION
MR-005.09-1401.04 N63-12048 05-08

HUMAN BODY TEMPERATURE CONTROL IN WARM AND COLD ENVIRONMENT N63-17732 16-16

CRANIAL MEASUREMENTS OF HUMAN INTERNAL BODY TEMPERATURE N63-19103 18-16

MICROCALORIMETRY - MEASUREMENT OF HEAT OF REACTION BY RECORDING HEAT FLOW-RATE AND TIME N63-19132 18-15

FREEZING AND DRYING RESISTANCE MECHANISMS IN LIVING CELLS - BIOLOGICAL WATER BALANCE
NASA-CR-50828 N63-20256 20-16

CONSCIOUS TEMPERATURE PERCEPTION - CONSCIOUS COLD SENSATION ELICITED BY PERIPHERAL RECEPTORS AND WARM-SENSATION RECEPTORS CENTRALLY LOCATED N63-21849 22-16

INDIVIDUAL & GROUP STRESSES ARISING FROM ENFORCED CONFINEMENT N63-23217 24-14

NAVAL MEDICAL RESEARCH LAB., GROTON, CONN.
NIGHT VISION TESTING - VISUAL PERCEPTION N63-19242 18-14

NAVAL MISSILE CENTER, POINT MUGU, CALIF.
RECOVERABLE SPACE PROBE
NMC-TM-62-22 N63-22203 23-04

NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C.
OCEANOGRAPHY AND CLIMATOLOGY OF SEA-ICE GROWTH IN EASTERN ARCTIC N63-15798 13-21

NAVAL ORDNANCE LAB., CORONA, CALIF.
TWO-LOOP SUPERDIRECTIVE END-FIRE ANTENNA
NOLC-562 N63-10559 01-08

THREE-LOOP SUPERDIRECTIVE ANTENNA - VLF RECEPTION
NOLC-563 N63-10560 01-08

PHASE SHIFT OF THE HARMONIC OUTPUT OF TRIGLYCINE SULFATE AS A FUNCTION OF THE SIGN OF POLARIZATION
NOLC-568 N63-11418 03-23

PROPERTIES OF PHOTODETECTORS - BLACKBODY RESPONSE DATA FOR COPPER OXIDE AND INDIUM ANTIMONIDE CELLS, AND THERMISTOR BOLOMETERS
NOLC-575 N63-12409 06-15

EFFECTS OF AGING ON LEAD SELENIDE PHOTOCONDUCTIVE DETECTORS
NOLC-576 N63-12429 06-15

PROPERTIES OF PHOTODETECTOR - SPECTRAL AND FREQUENCY RESPONSE, AND NOISE POWER SPECTRUM
NOLC-558 N63-12966 07-15

INFRARED PHOTODETECTORS - INDIUM ANTIMONIDE CELLS, THERMISTOR BOLOMETERS, AND GERMANIUM CELLS
NOLC-578 N63-13625 08-15

JOINT SERVICES INFRARED SENSITIVE ELEMENT TESTING PROGRAM
NOLC-TM-43-15 N63-15660 12-15

MICROMINIATURIZED SOLID-STATE MICROWAVE CIRCUIT UTILITY AS GUIDED MISSILE COMPONENT
NAVWEPS-8144 N63-15717 12-09

DATA EXCHANGE PROGRAM - VIBRATION N63-16097 13-17

PROPERTIES OF PHOTODETECTORS - DATA ON LEAD SELENIDE, INDIUM ANTIMONIDE, THERMOCOUPLE CELLS, AND GOLAY DETECTOR CELL
NOLC-564 N63-16668 14-06

MICROWAVE APPARATUS USING SEMICONDUCTOR MICROELECTRONICS N63-17356 15-09

SOLAR BLIND PHOTODIODES HAVING MAXIMUM SENSITIVITY IN MIDDLE ULTRAVIOLET RADIATION SPECTRUM N63-20856 21-09

DESIGN OBJECTIVES FOR TELEMETRY UHF TRANSMISSION LINKS
NAVWEPS-8146 N63-22132 22-08

PHYSICAL FACILITIES AND METHODS OF MAINTAINING ENVIRONMENTAL CONTROL FOR BERYLLIUM RESEARCH PROGRAM
NAVWEPS-7198 /REV./ N63-22518 23-18

NAVAL ORDNANCE LAB., WHITE OAK, MD.
THE PERFORMANCE OF PLASTICS MATERIALS IN A HIGH TEMPERATURE ENVIRONMENT
NAVWEPS-7390 N63-10110 01-18

POLYMERIZATION OF ROOM TEMPERATURE CURING EPOXY RESINS
NOLTR-62-1 N63-10111 01-19

CALCULATIONS FOR PROPELLANT GUN PERFORMANCE
NOLTR-61-29 N63-10140 01-26

THERMODYNAMIC DESCRIPTION OF METALS BASED ON THE MIRROR-IMAGE CONCEPT, EQUATION OF STATE, DEFLAGRATION TO DETONATION
NOLTR-62-149 N63-10653 02-23

RATE AND MECHANISM OF PYROLYSIS OF POLYBENZYL
NOLTR-62-59 N63-10893 02-07

POLARIS PROGRESS REPORT, MAY 1962 - MATHEMATICS - BOUNDARY LAYERS, ANISOTROPISM N63-11644 04-20

THEORETICAL CALCULATIONS ON SHOCK INITIATION OF SOLID EXPLOSIVES
NOLTR-62-160 N63-11688 04-11

POLARIS PROGRESS REPORT, NOV 1962 - MATHEMATICS - THERMOCONDUCTION & FINITE DIFFERENCE METHODS N63-11700 04-13

UPPER AND LOWER BOUNDS FOR APSIDAL ANGLE IN MOTION OF HEAVY SYMMETRICAL TOP
NOLTR-62-131 N63-11987 05-20

ENERGY REQUIREMENTS FOR DETONATION OF WIRE AND CARBON BRIDGE WEAPON PRIMERS
NOLTR-61-171 N63-12114 05-26

EXPLOSIONS IN VACUUM - PENTOLITE DETONATION GAS PRODUCTS EXPANSION
NOLTR-62-19 N63-12199 05-26

EXISTENCE THEOREM FOR PARTIAL DIFFERENTIAL EQUATION WITH LINEAR COMBINATION
NOLTR-62-177 N63-12736 06-20

MIGRATION OF UNDERWATER EXPLOSION BUBBLES
NAVORD-4185 N63-13085 07-11

BOUNDARY AND INITIAL VALUE CALCULATION OF INTEGRO-DIFFERENTIAL EQUATIONS IN SEVERAL DIMENSIONS
NOLTR-62-193 N63-13294 07-20

PHYSICAL AND MAGNETIC PROPERTIES OF ALUMINUM-IRON MAGNETIC ALLOY SYSTEM
NOLTR-62-144 N63-13300 07-18

HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE /HERO/ - RF CHARACTERISTICS OF ELECTROEXPLOSIVE DEVICES - MISSILE PROPULSION SYSTEM N63-13696 08-01

SOLID PROPELLANT ROCKET IGNITION SYSTEMS - PART 4, HI-LO IGNITER - TRANSIENT INTERNAL BALLISTICS, PHYSICAL, CHEMICAL & AERODYNAMIC CHARACTERISTICS
NOLTR-62-189 N63-13983 09-26

USE OF SPRING-MASS TO APPROXIMATE BAR-MASS SYSTEM SUBJECTED TO RECTANGULAR-FORCE PULSE
BALLISTICS RES. REPT.-76 N63-14176 09-33

REACTION OF ALLYLTRICHLOROSILANE WITH GLYCIDYL METHACRYLATE - PRODUCT POLYMERIZATION
NOLTR-62-166 N63-14282 10-07

APPLICATION OF CHLOROSILANE FINISHES AND CHLOROAROMATIC SOLVENTS TO GLASS FIBERS BY AZEOTROPIC DISTILLATION
NOLTR-63-1 N63-14365 10-07

REINFORCED PLASTICS FOR UNDERWATER ORDNANCE AND DEEP SUBMERGENCE CONSTRUCTIONS

NOLTR-62-206 N63-14407 10-34

THEORETICAL CALCULATIONS ON SHOCK INITIATION OF LIQUID TRINITROTOLUENE
NOLTR-62-159 N63-14487 10-26

FINE STRUCTURE OF NITRIC OXIDE GAMMA O-O BAND FOR TEMPERATURE DETERMINATION
NOLTR-62-65 N63-14492 10-07

FORTRAN III /IBM 7090/ PROGRAM FOR CALCULATION OF SODIUM ION ELECTRON WAVE FUNCTIONS
NOLTR-63-31 N63-14576 10-20

HIGH SPEED PHOTOGRAPHS OF BOUNDARY DISTURBANCES NEAR UNDERWATER EXPLOSION BUBBLE
NAVORD-6877 N63-14577 10-11

PRESSURE GAUGE CALIBRATOR SIMULATION OF MAGNITUDE AND RISE TIME OF PRESSURE PULSES IN SHOCK TUBES AND WIND TUNNELS
NOLTR-62-218 N63-14627 10-15

NOSE PRESSURE-DRAG COEFFICIENT OF TRUNCATED BODIES OF REVOLUTION IN SUPERSONIC FLOW
NOLTR-62-11 N63-14827 11-02

STREAMLINES ON SPHERE-CONE AT ANGLE OF ATTACK IN SUPERSONIC FLOW FROM MEASURED SURFACE PRESSURE DISTRIBUTION
AERODYNAMICS RES. REPT.-189 N63-15176 11-11

SOLID STATE PHYSICS R&D - SEMICONDUCTORS, MAGNETOELASTICITY, ACOUSTICS OF SILICON OXIDE, LASERS FOR HIGH SPEED PHOTOGRAPHY, AND ALLOYS
NOLTR-62-125 N63-15802 13-25

EFFECTS OF GLASS SURFACES UPON EPOXIDE POLYMERS
NOLTR-63-10 N63-15844 13-07

STABILITY OF LAMINAR BOUNDARY LAYER PROFILES
NOLTR-62-143 N63-16916 14-11

HEAT TRANSFER OF SOLID PROPELLAANT ROCKET ENGINE EXHAUST GAS TO MOLYBDENUM NOZZLE THROAT INSERT
NOLTR-62-72 N63-16924 14-13

MICROELECTRONICS R&D - SEMICONDUCTOR, FIELD EFFECT MODULATION, AND MAGNETIC FILM LOGIC
N63-17355 15-09

PROBE FOR MEASURING ELECTRICAL CONDUCTIVITY OF IONIZED GAS IN HYPERSONIC SHOCK TUBE
NOLTR-62-186 N63-17625 16-24

COMPARISON OF SIX CALCULATION METHODS TO SOLVE A NONLINEAR PARTIAL DIFFERENTIAL EQUATION WITH SHOCKS AND RAREFACTION WAVE - COST AND ACCURACY
NOLTR-63-8 N63-18260 17-20

WIND TUNNEL STABILITY TESTS ON CRUCIFORM FINNED MODEL WITH FIXED & FREE SPINNING TAIL ASSEMBLIES - NORMAL FORCE OF DISTRIBUTION - PITCHING AND YAW
NOLTR-63-79 N63-18328 17-02

COMPUTER ANALYSIS OF TWO-STAGE HYPERVELOCITY MODEL LAUNCHER PERFORMANCE
NOLTR-62-87 N63-18344 17-20

DEVELOPMENT OF SHOCK WAVE & ITS SUBSEQUENT GROWTH-TO-DETONATION IN TRINITROTOLUENE AND VARIOUS CYCLOTOLS N63-18552 17-11

INTERNAL STRESSES DEVELOPED IN EPOXY RESIN POTTING COMPOUND DURING LONG TERM STORAGE - STRAIN GAUGE TESTS AND INSTRUMENTATION
NOLTR-62-79 N63-19043 18-33

STANDARDIZED THERMODYNAMIC DATA AND COMPUTER PROGRAM FOR ROCKET PERFORMANCE PREDICTION
NOLTR-62-211 N63-19106 18-23

GROWTH TO DETONATION OF LOW DENSITY EXPLOSIVE MIXTURES - ORGANIC LEAD COMPOUNDS
NOLTR-62-89 N63-19328 18-07

IBM 7090 FORTRAN PROGRAM FOR COMPUTING HEAT FLOW IN COMPOSITE SLAB
NOLTR-63-132 N63-19653 19-20

PARTIAL DIFFERENTIAL EQUATION SOLUTIONS BY BERGMAN INTEGRAL OPERATOR
NOLTR-63-124 N63-19654 19-20

ABLATION-TYPE THERMAL INSULATING MATERIALS
NOLTR-63-100 N63-19820 19-13

SHOCK INITIATION IN SOLID EXPLOSIVE BY GAS LOADING DETONATION WAVE STUDY
NOLTR-63-103 N63-19821 19-22

COMPRESSIBILITY OF PYROLYTIC GRAPHITE USING EXPLOSIVE GENERATED SHOCK WAVES
NOLTR-63-73 N63-19932 19-15

SHOCK-TO-DETONATION TRANSITION IN CYCLOTOL EXPLOSIVES
NOLTR-62-197 N63-20069 20-23

PHOTOGRAPHIC OBSERVATIONS OF SPHERICAL CONDENSED EXPLOSIONS IN AIR - PENTOLITE HEMISPHERE DETONATION WAVES
NOLTR-62-182 N63-20338 20-23

COLLISIONAL PROCESSES LEADING TO ELECTRONIC EXCITATION AND IONIZATION BEHIND SHOCK WAVES DURING REENTRY
NOLTR-63-33 N63-20420 20-11

MIGRATION OF UNDERWATER EXPLOSION BUBBLES
NOLTR-62-184 N63-20546 20-11

AUTOFRETTAGED LOOSE BARREL LINER CONSTRUCTION FOR HYPERVELOCITY LAUNCHERS
NOLTR-63-78 N63-20822 21-02

EXPLOSIVES GENERATING CONDENSABLE PRODUCTS - ALUMINUM-LITHIUM PERCHLORATE, ALUMINUM-HYDROGEN PEROXIDE
NOLTR-63-12 N63-20992 21-26

SHOCK WAVES, DISLOCATIONS, & THEIR INTERACTIONS - ELASTIC-PLASTIC THEORY
NOLTR-63-94 N63-20993 21-11

PASSIVE SURFACE TEMPERATURE TELEMETRY FOR GUN-LAUNCHED FREE FLIGHT MISSILE MODELS
NOLTR-62-75 N63-21289 21-08

RAREFIED GAS DYNAMICS - FIRST-ORDER SLIP EFFECTS ON SKIN FRICTION AND HEAT TRANSFER FROM PARALLEL FLOW OF REACTING GAS N63-21595 22-11

CONTINUOUS IONIZATION SENSOR TO STUDY DETONATION AND PRE-DETONATION PHENOMENA IN SOLID PROPELLANTS AND EXPLOSIVES
NOLTR-63-136 N63-22186 23-26

PRESSURE-PULSE GENERATOR FOR CALIBRATION OF PRESSURE GAUGES
BALLISTICS RES. REPT.-109 N63-22187 23-15

EFFECT OF VARIABLE LEWIS NUMBER ON SIMPLE MODEL OF COUETTE FLOW
AERODYNAMICS RES. REPT.-201 N63-22188 23-11

VISIBLE RADIATION FROM NYLON PROJECTILES IN AIR, NITROGEN AND CARBON DIOXIDE
NOLTR-63-153 N63-22189 23-19

EQUILIBRIUM COMPOSITION AND THERMODYNAMIC PROPERTIES OF SODIUM VAPOR FROM 400 TO 10,000 DEG KELVIN
BALLISTICS RES. REPT.-79 N63-22236 23-11

RADIANT HEATING TECHNIQUE TO STUDY VULNERABILITY OF ORDNANCE ITEMS TO FIRE
NOLTR-63-174 N63-22240 23-13

DEFINITE INTEGRALS CONTAINING BESSEL FUNCTIONS OCCURRING IN HYDRODYNAMICS & ELASTICITY
NOLTR-63-192 N63-22351 23-23

SMALL SCALE SHOCK SENSITIVITY AND OUTPUT OF TRINITRO-1,3,5-TRIAZOCYCLOHEXANE/CALCIUM-STEARATE MIXTURES
NOLTR-63-91 N63-22490 23-19

THERMOGRAVIMETRIC METHOD OF DETERMINING PYROLYSIS

OF POLYMERS - KINETIC TECHNIQUE AND THERMAL CYCLING
NOLTR-63-113 N63-22491 23-19

RADIATION SURROUNDING SPHERES OF NYLON, LEXAN & KEL-F IN AIR, NITROGEN & CARBON DIOXIDE DETECTED BY MULTIPLIER PHOTOTUBE SYSTEM
NOLTR-63-154 N63-22492 23-19

MICROSCOPIC VISCOSITY APPROACH APPLIED TO PROBLEM OF ATTENUATING ELASTIC WAVES IN SOLIDS
NOLTR-63-158 N63-22493 23-23

AERODYNAMIC HEATING OF COMPOSITE FLAT PLATE - HEAT CONDUCTION, FOURIER ANALYSIS, AND TURBULENT BOUNDARY LAYER THEORY
NOLTR-63-163 N63-22494 23-02

SOLID STATE PHYSICS - GROWTH OF SINGLE CRYSTALS & CRYSTAL FILMS, MAGNETIZATION & LATTICE ELASTIC PROPERTIES, NEUTRON DIFFRACTION, & INTERMETALLICS
NOLTR-63-151 N63-23590 24-25

FORTRAN SUBROUTINE FOR SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS WITH AUTOMATIC ADJUSTMENT OF INTERVAL OF INTEGRATION
NOLTR-63-171 N63-23610 24-20

HIGH TEMPERATURE RESISTANT MATERIALS FOR MISSILE PROPULSION SYSTEM INSULATION
NOLTR 63-3 N63-23741 24-27

INVISCID MAGNETOHYDRODYNAMIC FLOW NEAR STAGNATION POINT OF MAGNETIZED SPHERE
NOLTR 63-61 N63-23773 24-24

NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIF.
LOGARITHMIC TEMPERATURE DEPENDENCE OF THE PARTITION ENTROPY
NOTS-TP-3021 N63-10567 01-23

HEAT-WAVE EFFECTS ON PHOTOGRAPHS
NAVWEPS-7773 N63-11046 03-15

WATER-TUNNEL TESTS OF A HYDROFOIL OF ASPECT RATIO ONE
NAVWEPS-7920 N63-11424 03-11

DIFFRACTION OF SLOW ELECTRONS IN GRAPHITE, ZINC AND ALUMINUM
NOTS-TP-2984 N63-11739 04-25

THERMAL POWERPLANTS FOR UNDERWATER PROPULSION
NOTS-TP-2876 N63-11886 04-27

FLASHDOWN IN SOLID PROPELLANTS
NOTS-TP-3009 N63-12680 06-26

SKYTOP-2 VERTICAL STATIC FIRING AND ALTITUDE-SIMULATION FACILITY
NAVWEPS-8068 N63-13611 08-10

PORPOISE PERFORMANCE TESTS IN A SEA-WATER TANK
NAVWEPS-8060 N63-13676 08-16

VARIABLE-THRUST PROPULSION FOR SOFT-LANDING VEHICLE
NAVWEPS-7900 N63-13759 08-27

COUPLING PERTAINING TO STEEL SPHERE IMPACTING THE ENDS OF RODS OF VARIOUS MATERIALS
NOTS-TP-3069 N63-14227 09-33

MEASUREMENT OF OSCILLATORY BURNING IN SOLID PROPELLANT COMBUSTION ZONE - COMBUSTION INSTABILITY N63-15578 12-26

LOW FREQUENCY COMBUSTION INSTABILITY IN SOLID PROPELLANTS - ABSTRACTS N63-15587 12-26

COMBUSTION INSTABILITY OF NITRASOL AND POLY-URETHANE-AMMONIUM PERCHLORATE PROPELLANTS - EFFECT OF ALUMINUM ADDITIVE, BURNING RATE STUDIES N63-15596 12-26

THERMAL DIFFUSIVITY AND ABLATION RATES OF REINFORCED PLASTIC LAMINATES
NOTS-TP-2936 N63-15891 13-19

EFFECT OF ROTATING CYLINDER AT LEADING AND TRAILING EDGES OF HYDROFOIL
NOTS-TP-3036 N63-16037 13-11

TRANSMISSION OF OPTICAL MATERIALS AS AFFECTED BY WEDGE ANGLE AND REFRACTIVE INDEX IN 2 TO 15 MICRON RANGE
NAVWEPS-8086 N63-16101 13-25

PRESSURE DISTRIBUTION EFFECTS ON AERODYNAMIC STABILITY AND HEATING OF FLIGHT VEHICLES
NAVWEPS-8048 N63-16317 13-02

TRACKS, SLED STRUCTURES, PROPULSION TECHNIQUES, AND INSTRUMENTATION ADAPTABLE TO WEAPONS SYSTEMS TEST PROGRAMS
NOTS-1938, REV. 1 N63-17128 15-10

COMBUSTION INSTABILITY - RESPONSE OF SOLID PROPELLANT COMBUSTION ZONE TO NORMALLY INCIDENT ONE-DIMENSIONAL PRESSURE WAVES N63-18531 17-26

MATERIALS WITH OPTICAL PROPERTIES FOR FILTERS AND OPTICS IN ULTRAVIOLET REGION OF ELECTROMAGNETIC SPECTRUM N63-20852 21-19

PILOT WARNING INDICATOR SYSTEM - TEST AND EVALUATION OF AIRBORNE ELECTRONIC EQUIPMENT BY GROUND AND IN-FLIGHT MEASUREMENTS
NOTS-TP-3102 N63-21027 21-15

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIF.
SHORT METHOD FOR FINDING FOURIER SERIES COEFFICIENTS N63-13095 07-20

LINEAR MULTIVARIABLE CONTROL SYSTEMS N63-20550 20-09

NAVAL PROPELLANT PLANT, INDIAN HEAD, MD.
TEMPERATURE AND HEAT TRANSFER MEASUREMENTS IN ROCKET NOZZLE THROATS AND EXIT CONES - INSTRUMENTATION TECHNIQUES, CHAR ANALYSIS
NAVWEPS-8022 N63-13629 08-13

PLASTIC MATERIAL USED AS SAFETY CONTAINERS - POLYETHYLENE CONTAINERS
NAVWEPS-8030 N63-17066 15-19

NAVAL RADIOLOGICAL DEFENSE LAB., SAN FRANCISCO, CALIF.
METHOD OF INCREMENTAL RECORDING ON MAGNETIC TAPE
USNRDL-TR-548 N63-10316 01-15

MAGNETIC FIELD MEASUREMENTS WITH HALL GENERATORS
USNRDL-TR-559 N63-10658 02-23

SCINTILLATION DETECTION SYSTEM FOR THE INSPECTION OF LARGE SOLID-PROPELLANT ROCKET ENGINES
USNRDL-TR-589 N63-10883 02-27

RADIATION EFFECTS ON THERMOELECTRIC GENERATORS - BISMUTH TELLURIDE
USNRDL-TR-581 N63-10909 02-23

COMPUTER REDUCTION OF GAMMA RAY PULSE HEIGHT DATA OBTAINED WITH A SPECTROMETER
USNRDL-TR-592 N63-11040 03-20

YIELD, SPECTRAL EMISSION, AND ANGULAR DISTRIBUTION MEASUREMENTS OF PRIMARY AND MODERATED NEUTRON SOURCES
USNRDL-TR-587 N63-11238 03-24

RADIO-FREQUENCY INTERFERENCE IN RADIAC-TELEMETRY SYSTEMS - QUALITATIVE STUDY
USNRDL-TR-544 N63-12083 05-08

EFFECT OF ADDITIVES AND CURE ON COMPRESSION SET, CROSSLINKING, AND CHAIN SCISSION IN IRRADIATED RUBBER VULCANIZATE
USNRDL-TR-547 N63-12100 05-19

APPARATUS FOR HANDLING IRRADIATED SOLUTION FOR FAST RADIOCHEMICAL SEPARATION
USNRDL-TR-601 N63-12473 06-07

CONTINUOUS SCAN SCINTILLATION SYSTEM FOR INSPECTION OF TUNGSTEN BILLETS FOR NOZZLES IN

SOLID PROPELLANT ROCKET ENGINES
USNRDL-TR-602 N63-12474 06-17

TEMPERATURE-DEPENDENCE OF REMOTE AREA GAMMA RADIATION MONITORING SYSTEM
USNDRL-TR-604 N63-12475 06-15

PHOTOMICROGRAPHY MEASUREMENTS OF GRAIN DENSITIES OF IONIZED PARTICLE TRACKS IN NUCLEAR EMULSIONS
USNRDL-TR-591 N63-12481 06-15

THERMAL DIFFUSIVITY AND HEAT CAPACITY AT LOW TEMPERATURES OF ALUMINUM ALLOYS AND MAGNESIUM OXIDE BY FLASH METHOD
USNRDL-TR-599 N63-12490 06-18

RAPID RADIOCHEMICAL METHOD FOR SEPARATING ANTIMONY AND ARSENIC FISSION PRODUCTS FROM THEIR NUCLIDES
USNRDL-TR-607 N63-12788 06-07

RADIOSENSITIVITY OF BIOELECTRIC FUNCTION OF RAT STOMACH AND CAECUM
USNRDL-TR-611 N63-13079 07-16

BIOLOGICAL EFFECTS OF X-RAYS ON MORTALITY AND HEMATOLOGY OF DOMESTIC ANIMALS
USNRDL-TR-606 N63-13206 07-16

SODIUM DEPENDENCE OF BIOELECTRIC OUTPUTS IN RAT STOMACH - RADIATION DAMAGE
USNRDL-TR-608 N63-13573 08-16

MEASUREMENT OF THERMAL DIFFUSIVITY OF MATERIALS AT HIGH TEMPERATURES - CERAMICS, IRON, MOLYBDENUM, TITANIUM, ZIRCONIUM OXIDE, AND ALUMINUM OXIDE
ASD-TDR-62-24 N63-13636 08-13

DIFFERENTIAL RADIOSENSITIVITY OF FIRST AND SECOND SET RESPONSES TO ALLOGENIC AND XENOGENIC SKIN GRAFTS IN LETHALLY IRRADIATED MICE
USNRDL-TR-619 N63-13854 09-16

COMPARATIVE EFFECTS OF 50 KVP AND 250 KVP X-RAYS ON DOGS
USNRDL-TR-616 N63-14260 10-16

MOTOR RESPONSE IN MOTHS EXPOSED TO LOW-INTENSITY X-RAYS
USNRDL-TR-622 N63-14570 10-16

DIFFERENTIAL EFFECT OF SPECIFIC ANTISERA ON REJECTION OF ALLOGENIC AND XENOGENIC SKIN GRAFTS BY X-IRRADIATED MICE
USNRDL-TR-625 N63-14712 10-16

DENTAL LESIONS IN RATS DUE TO X-RAYS & NEUTRONS - RADIATION EFFECT ON TEETH
USNRDL-TR-620 N63-14824 11-16

EFFECT OF PULSED RADIATION IN PRODUCING DEATH IN MICE
USNRDL-TR-627 N63-14887 11-16

XENON FLASHTUBE THERMAL PROPERTY DETERMINED BY RADIATION MEASUREMENT
USNRDL-TR-617 N63-14950 11-09

RESPONSE OF IRRADIATED AND NON-IRRADIATED MICE, SENSITIZED BY VARIOUS MEANS, TO ALLOGENIC AND XENOGENIC SKIN GRAFTS
USNRDL-TR-628 N63-15068 11-16

BEHAVIORAL AROUSAL AND NEURAL ACTIVATION AS RADIO-SENSITIVE REACTIONS
USNRDL-TR-624 N63-15518 12-16

UNDERWATER EXPLOSION TANK OF HYDRA PROJECT
USNRDL-TR-623 N63-15539 12-10

TRANSPLANTATION OF IMMUNOLOGICALLY COMPETENT IRRADIATED BLOOD CELLS IN MICE - HOMOGRAPH
USNRDL-TR-630 N63-15560 12-16

CALORIMETERIC MEASUREMENT OF GAMMA RAY, FAST NEUTRON AND CHARGED PARTICLE ABSORBED DOSES
USNRDL-TR-621 N63-15668 12-15

EFFECT OF AGE AT EXPOSURE UPON RADIATION INDUCED DENTAL LESION IN RATS
USNRDL-TR-634 N63-15764 13-16

DIFFERENTIAL RADIOSENSITIVITY OF FIRST AND SECOND SET RESPONSES TO ALLOGENIC AND XENOGENIC SKIN GRAFTS IN SUBLETHALLY IRRADIATED MICE
USNRDL-TR-636 N63-16352 14-16

CHROMOSOME ABERRATION IN X-RAY IRRADIATED MICE - HIGH AND LOW DOSE RATE
USNRDL-TR-644 N63-17613 16-16

DISPOSITION OF SODIUM, MANGANESE AND ALUMINUM AT CALIFORNIA BEACHES
USNRDL-TR-650 N63-18740 17-07

STANDARDIZATION OF HURST RADSAN NEUTRON DETECTOR
USNRDL-TR-598 N63-20282 20-23

GAMMA RADIATION INTENSITY ENERGY LEVEL-TIME RECORDER FOR FISSION MONITORING
USNRDL-TR-654 N63-20398 20-15

IGNITION OF CELLULOSE FUELS BY VERY BRIEF PULSES OF RADIANT ENERGY - EFFECTS OF NUCLEAR EXPLOSIONS
USNRDL-TR-660 N63-20506 20-26

THERMAL DIFFUSIVITY MEASUREMENTS ON METALS AND CERAMICS AT HIGH TEMPERATURES
ASD-TDR-62-24, PT. II N63-20823 21-13

GRAIN DENSITIES OF HEAVY IONS IN INSENSITIVE EMULSIONS
USNRDL-TR-657 N63-21172 21-19

INSTRUMENT FOR MEASURING BETA-GAMMA RADIATION - SOLID STATE PULSED GM TUBE LOW RANGE ACCESSORY PROBE
USNRDL-TR-664 N63-22184 23-09

RESIDUAL RADIOACTIVITY FOLLOWING CYCLOTRON SHUT-DOWN
USNRDL-TR-667 N63-22185 23-23

LIMITED ROLE OF ADULT THYMUS IN RECOVERY OF HOMOGRAFT RESPONSE IN IRRADIATED MICE
USNRDL-TR-661 N63-22502 23-16

HEMISPHERICAL EMITTANCE OF BLACK PAINTS, METAL BLACKS, & ANODIZED ALUMINUM
USNRDL-TR-663 N63-22503 23-23

HOMOGRAFT TOLERANCE IN SUBLETHALLY X-IRRADIATED ADULT MICE
USNRDL-TR-668 N63-23180 24-16

SAFETY OF IN-CORE EXPOSURE OF ROVER/NERVA FUEL TO PULSED IRRADIATION IN TRIGA MARK F REACTOR POWER TRANSIENT
USNRDL-TR-669 N63-23181 24-27

NAVAL RESEARCH LAB., WASHINGTON, D.C.

ULTRASONIC INSPECTION OF TUNGSTEN ROUND ROBIN BILLETS
NRL-TM-214 N63-10426 01-17

THERMOELECTRICITY - RELIABILITY AND RADIATION EFFECTS
NRL-MEMO-1361, PT. 1 N63-10586 02-06

NARROW-BAND TELEMETRY OF NONRECURRENT PULSES
NRL-5846 N63-10667 02-08

HIGH FIELD MAGNET FACILITY - NEUTRON BEAM STUDIES - OCEAN RESEARCH FACILITY - MATERIALS RESEARCH N63-10738 02-01

EFFECTS OF ENVIRONMENT ON STRENGTH OF METALS N63-10921 02-18

ICE ADHESION AND ELECTROFRACTURE N63-11655 04-01

ADHESION OF ICE TO LUBRICATED SURFACES N63-11656 04-07

ELECTROFRACTURE DUE TO PASSAGE OF ELECTRICAL DISCHARGES N63-11657 04-25

DIRECT ENERGY CONVERSION - ABSTRACTS

N63-11677 04-06

PROTON DAMAGE, ATMOSPHERIC CONTAMINATION, CHEMISTRY, ELECTRICITY, MECHANICS, METALLURGY AND CERAMICS, RADIO, SOLID STATE PHYSICS, AND SOUND
N63-12416 06-01

PROTON DAMAGE TO SILICON SOLAR CELLS
N63-12417 06-06

CONTAMINANTS IN ATMOSPHERE OF MERCURY SPACECRAFT
N63-12418 06-16

VERTICAL DISTRIBUTION OF WATER VAPOR AT LOW LATITUDES AS MEASURED WITH BALLOON-BORNE FROST-POINT HYGROMETER
NRL-5817 N63-12698 06-21

NONDESTRUCTIVE TESTING FOR FILAMENT WOUND FIBERGLASS ROCKET MOTOR CASES
NRL MEMO-221 N63-12903 07-17

SYMMETRY PATTERN RECOGNITION SYSTEM II - SYSTEM BASED UPON INHERENT SYMMETRY OF TYPICAL SIGNAL DUE TO SATELLITE PASS
NRL-5847 N63-13005 07-08

ATMOSPHERIC CONDITION EFFECTS ON NICKEL IN CONTROLLED ENVIRONMENTS OF NITROGEN AND A VACUUM CHAMBER
NRL-5880 N63-13338 08-18

ANALYSIS OF THE ATMOSPHERE IN MERCURY SPACE CAPSULE
NRL-5816 N63-13341 08-07

FACTORS DETERMINING APPLICABILITY OF HIGH STRENGTH QUENCHED AND TEMPERED STEELS TO SUBMARINE HULL CONSTRUCTION
NRL-5892 N63-13492 08-34

AIRBORNE RADIOACTIVITY FROM NUCLEAR TEST - TRANSDUCER MEASUREMENT PLATFORM - NRL REPORT
N63-13607 08-01

CORRELATION OF BETA ACTIVITY AND STRONTIUM-90 IN AIR CONCENTRATIONS WITH NUCLEAR TESTING PATTERNS - EXPECTED RADIOACTIVITY LEVEL INCREASE
N63-13608 08-23

TRANSDUCER MEASUREMENT PLATFORM FOR SONAR FACILITY
N63-13609 08-15

DISCUSSION OF CRACKING, SEPARATION, STRAIN RATE, TEMPERATURE, FLAW INFLUENCE, AND POSSIBLE RATE THEORY BASIS FOR FRACTURING
T&AM-240 N63-14097 09-33

THERMOCONDUCTIVITY AND EXPANSION OF BARIUM-LEAD-CALCIUM AND ZIRCONIUM TITANATES AND DEVELOPMENT OF PROTOTYPE RADIAC CALIBRATOR FOR SHIPBOARD USE
N63-14264 10-23

RADIAC CALIBRATOR FOR SHIPBOARD GAMMA RADIATION DETECTORS N63-14265 10-15

THERMOCONDUCTIVITY AND EXPANSION OF BARIUM-LEAD-CALCIUM AND ZIRCONIUM TITANATES
N63-14266 10-18

STATUS OF THERMOELECTRIC DEVICES - GENERATORS, REFRIGERATION & AIR CONDITIONING EQUIPMENT, REACTORS, AND SOLAR PANELS
NRL-MEMO-1361, PT. 2 N63-14441 10-23

STABILIZATION OF AUTOMATIC CONTROL SYSTEM BY ANALOG COMPUTER SIMULATION OF VEHICLE DYNAMICS - IMPROVED ANGLE OF ATTACK DISPLAY
NRL-5778 N63-14732 11-15

NUCLEAR SUBMARINE ATMOSPHERE - ORGANIC CONTAMINANT ANALYSIS - REMOVAL BY CATALYTIC COMBUSTION AND CARBON ADSORPTION - CLOSED ECOLOGICAL SYSTEM
NRL-5800 N63-14733 11-16

NAVY PROGRAM - RADIO ASTRONOMY - FRACTURE SAFE DESIGN OF STEEL STRUCTURE - PROGRESS REPORT
N63-14736 11-05

NAVY PROGRAM IN RADIO ASTRONOMY - PLANETARY RADIATION, RADIO STARS, MASER DEVELOPMENT, RADIO RECEIVER TECHNOLOGY N63-14737 11-05

NEW PRINCIPLES FOR FRACTURE-SAFE DESIGN OF STEEL STRUCTURES N63-14738 11-34

ATMOSPHERIC ELECTRICITY MEASUREMENTS WITH CONDUCTIVITY METER IN NORTH ATLANTIC - FOG PREDICTION
NRL-5833 N63-14783 11-12

ALPHA RHYTHM FEEDBACK CONTROL UNIT - ELECTROENCEPHALOGRAPHY
NRL-5848 N63-14784 11-09

INTERCALIBRATION OF MONITORING SYSTEMS FOR FISSION PRODUCTS IN ATMOSPHERE
NRL-5850 N63-14785 11-15

FISSION PRODUCT RADIOACTIVITY IN ATMOSPHERE ALONG 80TH MERIDIAN DURING 1961 - AIR SAMPLING
NRL-5869 N63-14786 11-28

AIRCRAFT FIRE FIGHTING VEHICLE FOR RUNWAY FOAMING IN EMERGENCY LANDING
NRL-5887 N63-14787 11-10

STATE-OF-THE-ART OF CHEMICAL RESEARCH ON AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES
NRL-5814 N63-14926 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUB-MARINES - SULFATE CYCLE, SODIUM CHLORATE CANDLE, ANALYZER, ALGAL GAS EXCHANGER, LEAK DETECTOR
N63-14927 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - LABORATORY-SCALE OPERATION OF SULFATE CYCLE, STUDY ON ELECTRODE DIAPHRAGM
N63-14928 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - MICROPOROUS RUBBER DIAPHRAGM FOR SULFATE CYCLE ELECTROLYTIC CELL
N63-14929 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - USE OF ALGAL SYSTEM IN PHOTO-SYNTHETIC GAS EXCHANGER, LIGHT INTENSITY STUDY
N63-14930 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - PRODUCTION OF SODIUM CHLORATE CANDLE AND DESIGN OF SMOKE FILTER FOR THIS CANDLE
N63-14931 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - STABILIZING EFFECT OF VERSENE FE-3 SPECIFIC ON MONOETHANOLAMINE ABSORBER
N63-14932 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - GAS CHROMATOGRAPHY AS SUBMARINE ATMOSPHERE MONITOR N63-14933 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - STATE-OF-THE-ART OF ATMOSPHERE ANALYZER FOR COMPONENT CONCENTRATION DETERMINATION
N63-14934 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - CARBON SAMPLING OF SUBMARINE ATMOSPHERE N63-14935 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - LEAK DETECTOR FOR GAS AND VAPOR LEAKS
N63-14936 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - INFRARED SPECTROSCOPY AND GAS CHROMATOGRAPHY FOR ANALYSIS OF CONTAMINANTS
N63-14937 11-16

AIR PURIFICATION AND CONTROL OF NUCLEAR SUBMARINES - HEAT EXCHANGER FOR USE IN CONJUNCTION WITH CARBON MONOXIDE/HYDROGEN BURNER
N63-14938 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUB-MARINES - ELECTROSTATIC PRECIPITATOR FOR AEROSOL REMOVAL
N63-14939 11-16

AIR PURIFICATION AND CONTROL IN NUCLEAR SUBMARINES - CATALYTIC COMBUSTION OF FREON AND OTHER HALOGEN COMPOUNDS
N63-14940 11-16

METHOD FOR DESIGN OF FRACTURE-SAFE STEEL STRUCTURES - WELDMENTS, FORGINGS, AND CASTINGS
NRL-5920 N63-14983 11-34

DESIGN AND INSTALLATION OF HIGH POWER TRANSMITTER, NAVY SPACE SYSTEM, KICKAPOO STATION
NRL-5717 N63-14995 11-08

STRAIN RATE AND TEMPERATURE EFFECTS ON FRACTURE TOUGHNESS, CRACK FORMATION, AND YIELD STRENGTH OF NOTCHED AND UNNOTCHED MILD STEEL SPECIMENS
NRL-5776 N63-15366 12-18

ADAPTATION OF TUNNEL DIODE STATIC INVERTER TO HIGHER INPUT VOLTAGES
NRL-5802 N63-16158 13-09

CARBON DIOXIDE REMOVAL AND OXYGEN GENERATION BY SULFATE CYCLE - ELECTROCHEMISTRY
NRL-5714 N63-16260 13-07

RADIATION BRIGHTNESS TEMPERATURE OF VENUS ATMOSPHERE
NRL-5937 N63-16277 13-29

MODIFICATION OF IONIZATION METHOD ESPECIALLY SUITABLE FOR CONTINUOUSLY RECORDING CONTACT POTENTIAL DIFFERENCES
NRL-5915 N63-16388 14-24

MARAGING STEEL - TENSILE STRENGTH AND IMPACT PROPERTIES
NRL-5916 N63-16878 14-18

MAXIMUM STRAIN IN RESIN-FIBERGLAS COMPOSITES
NRL-5752 N63-17033 15-19

SPACE SCIENCE - CONTRIBUTIONS TO SPACE PHYSICS
N63-17049 15-29

RANGE-ENERGY RELATIONSHIPS FOR PROTONS AND ELECTRONS PENETRATING ALUMINUM, SILICON AND SILICON DIOXIDE
NRL-5828 N63-17142 15-20

OBSERVATION OF VENUS RADIATION AT 4.3-MM WAVELENGTH
N63-17168 15-28

ELECTRON EMISSION FROM SMOOTH SURFACES BY ELECTRIC FIELDS IN VACUUM AND ELECTRICAL BREAKDOWN
NRL-5944 N63-17191 15-23

MICROELECTRONICS R&D AT NRL - TUNNEL DIODE FABRICATION, THIN FILMS, P-N JUNCTIONS, AND RADIATION EFFECTS
N63-17358 15-09

FLUORINATED FATTY ACIDS - ELECTRICAL AND MECHANICAL PROPERTIES
NRL-5932 N63-17479 15-07

SPECTROSCOPIC ANALYSIS OF GAS BUBBLES IN TEKTITES - NEON, HELIUM & OXYGEN
N63-17480 16-07

MEASURING IONIZING RADIATION WITH THERMO-LUMINESCENT DOSIMETERS - SATELLITE INSTRUMENTATION
NRL-5938 N63-17591 16-15

FRICTIONAL PROPERTIES OF POLYETHYLENES AND PERFLUOROCARBON POLYMERS
NRL-5945 N63-18120 16-19

MEASURING REFRACTION INDEX OF METALS IN EXTREME ULTRAVIOLET SPECTRAL REGION
NASA-CR-50265 N63-18496 17-23

INCREASING DISCHARGE CAPACITY OF SILVER ELECTRODE BY ADDING PULSES OF CHARGING CURRENT
NRL-5912 N63-18873 18-07

THERMOPHYSICAL PROPERTIES OF SODIUM AND POTASSIUM AT HIGH TEMPERATURES
NASA-CR-50737 N63-18997 18-0

AERONOMIC PARAMETERS OF THERMOSPHERE AND IONOSPHERE FROM MASS SPECTROMETRY
N63-19683 19-1

ALTITUDE OF NIGHT AIRGLOW RADIATIONS
N63-19685 19-1

INTENSITY DISTRIBUTION IN ULTRAVIOLET SOLAR SPECTRUM
N63-19698 19-0

SOLAR LYMAN-ALPHA EMISSION LINE
N63-19699 19-0

SOLAR X-RAYS - ROCKET MEASUREMENTS
N63-19701 19-2

INTERPRETATION OF X-RAY PHOTOGRAPHS OF SUN
N63-19702 19-0

OBSERVATIONAL ASTROPHYSICS FROM ROCKETS - NEBULAR PHOTOMETRY AT 1300-A
N63-19703 19-0

ULTRAVIOLET RADIATION REFLECTIVITIES OF MARS AND JUPITER
N63-19704 19-0

ULTRAVIOLET RADIATION FROM CELESTIAL SOURCES
N63-19705 19-1

PREVENTION OF LIQUID SPREADING OR CREEPING OVER SOLID SURFACES
NRL-5959 N63-19807 19-0

FRACTURE RESISTANCE OF NOTCHED METAL SHEETS - VARYING DIMENSION EFFECT ON CRACK PROPAGATION
N63-20084 20-1

INFLUENCE OF ENVIRONMENT & HIGH TEMPERATURE ON CRACK PROPAGATION IN NICKEL & NICKEL BASED ALLOYS
N63-20085 20-1

ATMOSPHERIC CONDUCTIVITY AND FIELD MEASUREMENTS
NRL-5983 N63-20326 20-1

NUCLEAR PHYSICS, BEAM AND PLASMA PHYSICS
N63-20439 20-2

VACUUM EFFECT ON CREEP-RUPTURE PROPERTIES OF SINTERED AND COMMERCIAL ALUMINUM
NRL-5948 N63-20671 20-1

SINGLE CRYSTALS WITH OPTICAL PROPERTIES
N63-20853 21-19

SURFACE REFLECTANCE OF MATERIALS WITH OPTICAL PROPERTIES IN VACUUM ULTRAVIOLET - ALUMINUM
N63-20854 21-2

LINEAR ELASTIC STRUCTURE RESPONDING TO DYNAMIC FORCES
N63-20878 21-33

RESPONSE OF COMPLEX STRUCTURE TO RANDOM VIBRATIONS AND VIBRATORY LOADING
N63-20879 21-33

REDUCTION AND ANALYSIS OF DATA FROM SHOCK AND RANDOM-TRANSIENT VIBRATION MEASUREMENTS
N63-20886 21-20

AUTOMATIC CONTINUOUS RECORDINGS OF ATMOSPHERIC ELECTRIC FIELD & CONDUCTIVITY
NRL-5787 N63-21040 21-12

NUCLEAR SCIENCE & TECHNOLOGY - BARYON & NEUTRINO DOUBLETS, NUCLEAR & COSMIC RADIATION IN OCEAN, & HALF-LIVES OF CESIUM 137 AND COBALT 60
N63-21179 21-23

OPTICAL PROPERTIES OF COLOR - DEVELOPMENT OF TRI-STIMULUS COLORIMETRY FOR FLUORESCENT COLORS USING SPECTROPHOTOMETER FOR MEASUREMENT
NRL-5933 N63-21375 22-1

DERIVATION OF EQUATION DESCRIBING COMPLETE BATTERY DISCHARGE FOR UNIFORM CURRENT DENSITY DISTRIBUTION
NRL-5908 N63-21418 22-0

SYNTHESIS OF UNITY-GAIN COMPLEX-ZERO RESISTANCE-CAPACITANCE NETWORK
NRL-5972 N63-21457 22-09

LARGE ENVIRONMENTAL TELEMETERING SYSTEM FOR OCEANOGRAPHIC AND WEATHER STATION UTILIZATION
NRL-5902 N63-22663 23-08

BIBLIOGRAPHY - DIRECT ENERGY CONVERSION LITERATURE ABSTRACTS N63-22751 23-01

ROCKET & SATELLITE ASTRONOMY RESEARCH FACILITY N63-23077 24-29

FERRITE LOADED OPEN TRANSMISSION LINE - MAGNETIC PHASE SHIFT AND INSERTION LOSS
NRL-5867 N63-23154 24-08

AUTOMATIC WEATHER STATION /GRASSHOPPER/
NRL-5966 N63-23155 24-21

PORTABLE AIR-OPERATED AEROSOL GENERATORS
NRL-5929 N63-23170 24-17

HUMAN RESPONSE IN CONTROL OF COMPLEX DEVICES N63-23252 24-14

SUN-EARTH RELATIONSHIPS - SOLAR ULTRAVIOLET AND X-RADIATION EFFECTS ON EARTH ATMOSPHERE AND IONOSPHERE N63-23440 24-29

ABSTRACTS FOR LITERATURE ON DIRECT ENERGY CONVERSION N63-23603 24-23

DYNAMIC SURFACE PHENOMENA IN SPONTANEOUS SPREADING OF OILS ON SOLIDS
NRL-5963 N63-23774 24-17

NAVAL SCHOOL OF AVIATION MEDICINE, PENSACOLA, FLA.
EFFECT OF VERY STRONG MAGNETIC FIELDS & MAGNETIC-FREE ENVIRONMENTS ON MAN & ANIMALS N63-12825 06-16

SPECTRUM ANALYSIS OF HIGH ENERGY PROTON RADIATION, LINEAR ENERGY TRANSFER /LET/ AND RELATIVE BIOLOGICAL EFFECTIVENESS /RBE/ N63-15136 11-28

SENSITIVITY OF SEMICIRCULAR CANALS DURING WEIGHTLESSNESS TESTED BY VISUAL PERCEPTION OF TARGET ROTATION
SAM-TDR-62-148 N63-16126 13-16

ENERGY DISSIPATION IN TISSUE FOR PROTON RADIATION IN SPACE - COMPARATIVE ANALYSIS OF LET SPECTRA OF FLARE PRODUCED AND FISSION NEUTRON RECOIL PROTONS
NASA-CR-50044 N63-16679 14-24

SHIELD GEOMETRY INFLUENCE ON AIR DOSE AND TISSUE DOSE FROM PROTONS IN SPACE VEHICLE
NASA-CR-50780 N63-19990 19-28

EFFECT OF MAGNETIC FIELD ON BIOLOGICAL ORGANISMS - AEROSPACE MEDICINE N63-20572 20-16

VISUAL PERCEPTION OF TARGETS DURING WEIGHTLESSNESS PRECEDED BY POSITIVE OR NEGATIVE ACCELERATION - ELEVATOR ILLUSION
SAM-TDR-62-141 N63-22076 22-16

STEROIDS & CATECHOLAMINE IN HUMAN WASTE AFTER FLIGHT STRESS - EFFECT OF VESTIBULAR ORGANS ON EXCRETORY CONTENT
NASA-CR-50501 N63-23010 24-16

NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VA.
SATELLITE SITUATION REPORT N63-22532 23-32

SATELLITE SITUATION - SATELLITES IN ORBIT AND DECAYED SATELLITES N63-23583 24-32

NAVAL WEAPONS LAB., DAHLGREN, VA.
COMPUTING PROGRAMS FOR THE COMPLEX FRESNEL INTEGRAL
NWL-1796 N63-10423 01-20

MOTION OF A PAIR OF VORTICES BEHIND A CYLINDER
NWL-1794 N63-10611 02-11

BOUNDARY LAYER ALONG A FLAT SURFACE NORMAL TO A VORTEX FLOW
NWL-1835 N63-12368 06-11

KARMAN-BODEWADT ROTATING FLOW AND STAGNATION FLOW EXAMINED BY EXTENDED BOUNDARY LAYER THEORY
NWL-1836 N63-12446 06-11

STAGNATION AND WAKE FLOWS, NORMAL TO FLAT SURFACE, BOUNDARY LAYER THEORY
NWL-1840 N63-14190 09-11

TABLE OF MEAN SQUARE EXPECTATIONS & VARIANCE RATIOS FOR TESTING NULL HYPOTHESES IN ANALYSIS OF VARIANCE FOR 2, 3, & 4-WAY CROSSED CLASSIFICATION
NWL-1833 N63-14721 11-20

ROTATING FLOWS NORMAL TO FLAT SURFACE AND VORTEX FLOWS BY EXTENDED BOUNDARY LAYER THEORY
NWL-1853 N63-16465 14-11

CARTOGRAPHY UTILIZING CATHODE RAY TUBE PRINTER
NWL-1844 N63-17081 15-20

ACOUSTIC RADIATION IN AN OCEAN WITH HEAT SOURCES AND THERMAL MIXING ZONES
NWL-1854 N63-17647 16-23

SOLID PROPELLANTS - BURNING RATE, IMPETUS, AND COVOLUME
NWL-1872 N63-20077 20-06

NAVY ELECTRONICS LAB., SAN DIEGO, CALIF.
SUGGESTION FOR DESIGNERS OF ELECTRONIC EQUIPMENT - ELECTRICAL AND HUMAN ENGINEERING N63-12794 06-09

OPTICAL AND METEOROLOGICAL DATA OF BERING SEA
NEL-1150 N63-13010 07-21

INTERLEAVED-PLATE ELECTRODYNAMIC TRANSDUCER
NEL-1151 N63-13012 07-15

ELECTRONIC GENERATOR OF RANDOM NUMBERS
NEL-1152 N63-13078 07-20

E-LAYER HEIGHT AND CIRCULATION CORRELATION
NEL-1155 N63-13377 08-08

SIMULTANEOUS PHASE COMPENSATION - PART XI, RESISTIVE-ELEMENT PHASE COMPENSATOR FOR AN/SQS4 MOD 3 SONAR
NEL-1148 N63-13379 08-08

ELECTROLUMINESCENCE - LIGHT CONVERSION FILTERS
NEL-1121 N63-16927 14-23

MICROELECTRONICS PROGRAM AT NEL N63-17360 15-09

STANDARD WAVEGUIDES USED TO MAKE PARALLEL SLOT ANTENNAS CAPABLE OF BEING SCANNED 45-DEG OFF BROADSIDE
NEL-1165 N63-17951 16-08

MAGNETIC CORE MATRIX TIME COMPRESSOR /MACOMATIC/ CORRELATION SIGNAL PROCESSING SYSTEM - UNDERWATER ACOUSTIC SIGNALS
NEL-1161 N63-18854 18-23

VISUAL STANDARDS FOR ARMED FORCES - HUMAN VISION - PERCEPTION AND ACUITY REQUIREMENTS N63-19258 18-01

AUDIOFREQUENCY GENERATORS USING SILICON-CONTROLLED RECTIFIER INVERTERS
NEL-1175 N63-23072 24-09

NETHERLANDS SHIP MODEL BASIN, WAGENINGEN.
NUCLEAR GROWTH AND OTHER SCALING FACTORS IN CAVITATION INCEPTION N63-15759 12-11

GROWTH OF NUCLEI AND RELATED SCALING FACTORS IN CAVITATION INCEPTION N63-16348 14-11

NEW ENGLAND MATERIALS LAB., INC., MEDFORD, MASS.
NICKEL-CHROMIUM-ALUMINUM ALLOY DEVELOPMENT FOR HIGH TEMPERATURE TUBING - TENSILITY TESTS -

WELDING AND BRAZING
NASA-CR-50758 N63-19265 18-18

DISPERSION STRENGTHENED NICHROME THORIA ALLOYS - PHYSICAL PROPERTIES N63-19466 19-18

IMPROVED TENSILE PROPERTIES OF DISPERSION-STRENGTHENED NICKEL ALLOYS PREPARED BY THERMAL DECOMPOSITION OF THORIUM NITRATE N63-23630 24-18

NEW HAMPSHIRE U., DURHAM.
VARIATIONS IN THE COSMIC-RAY NUCLEONIC INTENSITY
AFCRL-63-242 N63-13662 08-28

DELINEATION OF TRACKS OF HEAVY COSMIC RAYS AND NUCLEAR PROCESSES WITH IN LARGE SILVER CHLORIDE CRYSTALS
NASA-TN-D-1547 N63-13715 08-28

DEVELOPMENT OF PARAMETRIC AMPLIFIER DIPOLE ANTENNA
AFCRL-63-13 N63-14553 10-09

EFFECT OF HIBERNATION ON RETENTION OF VIRAL AGENTS BY ARCTIC GROUND SQUIRRELS
AAL-TDR-62-59 N63-21682 22-16

EXPORER XII OBSERVATIONS OF MAGNETOSPHERE BOUNDARY AND SOLAR PLASMA DURING MAGNETIC STORM N63-22449 23-29

MODIFICATION OF QUANTUM MECHANICAL LIOUVILLE EQUATION N63-23429 24-23

NEW MEXICO STATE U., UNIVERSITY PARK.
BLUE CLEARING DURING 1960-61 MARS APPARITION N63-11920 04-05

NEW MEXICO U., ALBUQUERQUE.
LUNAR SURFACES - RADAR AND PHOTOGRAPHIC DATA - SURFACE ROUGHNESS
PR-39 N63-12043 05-05

ELECTRICAL DIPOLE MOMENT AND FAR FIELDS FROM TRAILING ANTENNA WIRE
EE-74 N63-12638 06-09

STRESS DISTRIBUTION DUE TO LOGARITHMIC SPIRAL DISLOCATION
ME-3 N63-15498 12-33

CORRELATION OF PULSED RADAR & PHOTOGRAPHIC DATA - SURFACE GEOMETRY
NASA-CR-50536 N63-18322 17-08

MOIRE METHOD AND BIREFRINGENT COATING METHODS OF MEASURING POST-ELASTIC SURFACE PROPERTIES IN METALS
ME-6 N63-19435 19-33

HIGH CURRENT LOW VOLTAGE DC TO AC CONVERSION - HALL EFFECT, SUPERCONDUCTING SWITCH, & EFFICIENCY OF OPERATION
NASA-CR-51213 N63-21367 22-09

NEW MEXICO U., LOS ALAMOS.
ULTRAVIOLET SPECTRA OF SHOCK HEATED DICHLOROETHYLENE N63-18508 17-01

NEW YORK EYE AND EAR INFIRMARY, N.Y.
EFFECTS OF THERMAL ENERGY ON RETINAL FUNCTION
AMRL-TDR-62-96 N63-10879 02-16

THERMAL ENERGY EFFECTS ON ANTERIOR OCULAR TISSUES OF RABBITS
AMRL-TDR-63-53 N63-19846 19-16

NEW YORK STATE U., SYRACUSE.
CHEMICAL REACTIONS - HALOGEN ATOMS AND METHYL RADICALS
ASD-TDR-63-273 N63-16712 14-07

NEW YORK U., N.Y.
THE FAR INFRARED PROPERTIES OF CRYSTALS
AFCRL-62-746 N63-10088 01-21

REPRESENTATIONS FOR CLASS-K TRANSFER FUNCTIONS
AFCRL-62-770 N63-10190 01-20

ESTIMATION IN NULL-ZONE RECEPTION FEEDBACK SYSTEM
AFCRL-62-742 N63-10672 02-0

AXISYMMETRIC SNAP BUCKLING OF CONICAL SHELLS N63-10839 02-3

BUCKLING MECHANISM OF SPHERICAL CAPS - DEPENDENCE ON BOUNDARY CONDITIONS N63-10843 02-3

INSTABILITY OF SPHERICAL SHELLS SUBJECTED TO EXTERNAL PRESSURE N63-10846 02-3

MODIFICATION OF IBM 7090 COMPUTER TO FACILITATE IDENTIFICATION OF SIGNIFICANT BITS IN FLOATING POINT ARITHMETIC
NYO-9190 N63-11054 03-2

WIND SPECTRA OF THE TROPOSPHERE AND LOWER STRATOSPHERE
AFCRL-62-1022 N63-11167 03-12

FINITE DIFFERENCE SCHEMES FOR HYDRODYNAMIC EQUATIONS
NYO-9188 N63-11197 03-11

DIFFERENCE SCHEMES WITH HIGH ORDER ACCURACY FOR SOLVING HYPERBOLIC EQUATIONS
NYO-9759 N63-11198 03-20

NUMERICAL COMPUTATION OF HYDRODYNAMIC FLOWS WHICH CONTAIN A SHOCK
NYO-9603 N63-11208 03-20

FEEDBACK COMMUNICATION SYSTEMS
AFCRL-62-921 N63-11335 03-08

A FINITE DIFFERENCE METHOD FOR THE NEUMANN AND THE DIRICHLET PROBLEMS
NYO-9760 N63-11491 03-20

WIND AND TEMPERATURE FIELDS OF THE TROPOSPHERE AND LOWER STRATOSPHERE
AFCRL-62-1023 N63-11598 04-21

GENTLE PERTURBATIONS - MATHEMATICAL OPERATORS
IMM-NYU-295 N63-11622 04-20

MICROWAVE CAVITY SPECTROMETER FOR MEASURING HYDROGEN ATOMS IN DISCHARGE AND DETERMINING SURFACE RECOMBINATION N63-11664 04-15

MULTISIGNAL CODING FOR SPACE TELEMETRY N63-11702 04-08

BIBLIOGRAPHY - MATHEMATICS, SUBSONIC AND TRANSONIC GAS DYNAMICS
AROD-247-54 N63-11737 04-20

OVERRELAXATION METHOD FOR OPERATOR EQUATIONS
NYO-9192 N63-11802 04-20

MICROBIOLOGICAL WASTE TREATMENT IN CLOSED ECOLOGICAL SYSTEM
AMRL-TDR-62-126 N63-11924 04-16

DISCRIMINANT OF HILL EQUATION
BR-39 N63-12090 05-20

MODEL FOR STATISTICAL ATOM WITH NON-VANISHING ANGULAR MOMENTUM
CX-59 N63-12147 05-23

POLARIZATION OF ANTHRACENE CRYSTALS WITH LIQUID ELECTRODES N63-12162 05-19

ADSORPTION AND EXCHANGE ON METAL SINGLE CRYSTALS
AROD-3156-1 N63-12802 06-07

GRAVITATIONAL INSTABILITY AND ONE-COMPONENT PLASMA OSCILLATIONS IN CHARGED GAS - APPLICATION TO STELLAR SPECTRA
MF-33 N63-12985 07-24

TOUGH, HIGH STRENGTH ALPHA-BETA TITANIUM BASE ALLOYS AT 240,000 TO 260,000 PSI YIELD STRENGTH LEVEL
WAL-TR-401/303 N63-13128 07-18

NONLINEAR INTEGRAL EQUATIONS - FUNCTION THEORY

TECHNIQUES IN RADIATIVE HEAT TRANSFER - CAUCHY KERNEL
IMM-NYU-307 N63-13525 08-20

TIME LAG OF SPARK FORMATION IN AIR AND IN VACUUM - EFFECTS OF FIELD, PRESSURE AND ELECTRODE SEPARATION N63-13769 08-23

CORRELATION OF CREEP BUCKLING EXPERIMENTS ON ALUMINUM ALLOY PLATES
ASD-TDR-62-865 N63-13841 09-33

PROBABILITY DYNAMICS IN WEATHER FORECASTING - GROWTH OF UNCERTAINTY OF INITIAL STATE OF ATMOSPHERE WITH TIME
AFCRL-62-1114 N63-14523 10-21

PROBABILITY DYNAMICS IN WEATHER FORECASTING - ESTIMATION THEORY FOR FUNCTIONS OF SPECTRAL DENSITY N63-14524 10-21

PROBABILITY DYNAMICS IN WEATHER FORECASTING - ESTIMATION THEORY APPLIED TO REAL DATA
AD-216319 N63-14525 10-12

CASCADE FROM HIGH-ENERGY PROTONS IN DENSE MATTER - RADIATION HAZARD N63-15158 11-28

OXYGEN SUPPLY FROM SPACE MINERALS FOR PERSONNEL SUPPORT N63-15270 12-16

OXYGEN SUPPLY FROM SPACE MINERALS - KINETICS AND THERMODYNAMICS OF STONY METEORITE REDUCTION BY HYDROGEN N63-15271 12-07

DIGITAL COMPUTER PROGRAM FOR USE IN BURST ERROR CORRECTION DECODING SCHEME
AFCRL-63-28 N63-15363 12-20

APPROXIMATE REALIZATION OF OPTIMUM CONTROL SYSTEMS USING PONTRYAGIN PRINCIPLE AND BELLMAN THEORY N63-15637 12-09

MOMENTUM EXCHANGE ON PERTURBATION OF MULTICOMPONENT FLUIDS
MF-35 N63-15781 13-11

EIGENVALUE PROBLEM WITH UNBOUNDED AND NONSYMMETRIC OPERATORS
NYO-10425 N63-15972 13-20

STUDY OF CONE-CYLINDER INTERSECTIONS
SM-62-6 N63-16100 13-34

PERFORMANCE OF FLAT-STAGGERED FILTER BANK FOR RECOVERING TONE BURST TELEMETRY SIGNALS N63-16221 13-08

TITANIUM ORGANIC COMPOUNDS FOR HYDRAULIC FLUIDS N63-16431 14-07

IMPROVED TITANIUM-ORGANIC COMPOUNDS FOR USE AS HYDRAULIC FLUIDS N63-16432 14-07

IMPROVED TITANIUM-ORGANIC COMPOUNDS FOR USE AS HYDRAULIC FLUIDS N63-16433 14-07

INFRARED SPECTROSCOPY OF CRYSTALS - SODIUM CHLORIDE
AFCRL-62-369 N63-16435 14-25

CIRCUITS AND NETWORKS - IMPEDANCE, TRANSMISSION, AND SCATTERING
AFCRL-63-85 N63-16463 14-09

METAL PURIFICATION AND ORGANIC SEMICONDUCTORS
AFCRL-63-97 N63-16739 14-07

TELEMETRIC FILTER DESIGN - SIGNAL TO NOISE RATIO - RECOVERY OF TONE BURST TELEMETRY SIGNALS
NASA-CR-50113 N63-16888 14-09

PREPARATION OF METALS FROM ORGANOMETALLIC COMPOUNDS - THERMAL DECOMPOSITION - LITERATURE SURVEY
AFCRL-63-22/X N63-16976 14-07

PHOSPHORS - CHEMICAL AND PHYSICAL PROPERTIES - LUMINESCENCE, INFRARED, AND ELECTRIC PROPERTIES
AROD-2334-3 N63-17129 15-25

DETECTION OF RADIO SIGNALS IN PRESENCE OF NON-WHITE GAUSSIAN NOISE - EFFECT OF INTERFERENCE ON RADIO RECEPTION
NASA-CR-50348 N63-17231 15-20

SOLAR WIND-GEOMAGNETIC FIELD INTERACTION
NASA-CR-50239 N63-17339 15-24

IMPLICIT FINITE DIFFERENCE SCHEMES FOR HYPERBOLIC SYSTEMS
NYO-10426 N63-17344 15-20

DRAG ON A BODY IN NEARLY-FREE MOLECULAR FLOW
NYO-10427 N63-17478 15-11

RADIATION EFFECTS ON INSULATORS - POSITRON ANNIHILATION IN SOLIDS - IONIZATION OF ANTHRACENE CRYSTALS BY X-RAYS MEASURED BY POLARIZATION METHOD N63-17654 16-17

NEW RESONANCES IN ATOMS WHICH MARK COHERENT RESPONSE OF WHOLE ATOM - APPROXIMATE COMPUTATION
NASA-CR-50345 N63-17966 16-23

NUMERICAL APPROXIMATION OF INTERACTION FOR INVISCID SHEAR FLOW N63-18081 16-11

PHOTOELASTIC STRESS MEASUREMENT AT RING-STIFFENED INTERSECTION OF CYLINDER AND REDUCING CONE
SM-62-8 N63-18226 17-33

SYNCHRONIZATION OF DECISION FEEDBACK SATELLITE TELEMETRY SYSTEM
NASA-CR-50610 N63-18318 17-08

LAMINAR MIXING FLAMES AS A FUNCTION OF THE CHEMICAL PROPERTIES OF THE GAS MIXTURE - MATHEMATICAL ANALYSIS N63-18507 17-26

USE AND CALIBRATION OF INSTRUMENT FOR MEASURING TORSIONAL RIGIDITY OF STIFFENED PLATES
NASA-TN-D-2007 N63-18669 17-15

RECTANGULAR TRANSFER MATRIX FOR N-PORT NETWORK
NYU-TR-400-75 N63-19006 18-09

DIATOMIC ORBITALS IN CALCULATIONS OF ELECTRONIC WAVE FUNCTIONS OF DIATOMIC MOLECULES - FORMULAS AND COMPUTATIONAL METHODS
NYO-10423 N63-19083 18-23

CALCULATING GROUND STATE PROPERTIES OF MANY PARTICLE SYSTEMS USING REDUCED DENSITY MATRICES - QUANTUM MECHANICS
NYO-10431 N63-19154 18-23

NETWORK SYNTHESIS TECHNIQUES APPLICABLE TO RC FUNCTIONS
NYU-TR-400-76 N63-19165 18-09

STATISTICAL THERMODYNAMIC PROPERTIES OF NONUNIFORM FLUIDS N63-19271 18-11

MATHEMATICAL ANALYSIS OF MATRICES BY LR TRANSFORMATION - FACTORIAL ANALYSIS
NYO-10429 N63-19337 18-20

TITANIUM ORGANIC COMPOUNDS FOR HYDRAULIC FLUIDS WITH HIGH TEMPERATURE LUBRICANT PROPERTIES N63-19889 19-07

SOLUTIONS OF INTEGRAL EQUATIONS INVOLVING CAUCHY KERNELS K/Z,ZETA/ DIVIDED BY /Z,ZETA/
IMM-NYU-311 N63-19894 19-20

GEOMAGNETIC IMPLICATIONS OF COSMIC RAY DIURNAL VARIATION AND SPECTRUM
NASA-CR-50733 N63-19946 19-28

LENTICULAR IMPERFECTION IN THE EYES OF A SAMPLE OF MICROWAVE WORKERS AND A CONTROL POPULATION
RADC-TDR-63-125 N63-20016 19-16

NETWORK PROPERTIES OF SEMICONDUCTOR P-N JUNCTION CIRCUITS
NYU-TR-400-81 N63-20717 21-09

THEORY OF GENTLE PERTURBATIONS
IMM-NYU-312 N63-20721 21-23

IMPROVING RELIABILITY OF DIGITAL COMMUNICATION USING REDUNDANCY IN UNCERTAINTY REGION RECEPTION
AFCRL-63-187 N63-20836 21-08

NON-EUCLIDEAN GEOMETRY TO REPRESENT DATA FROM SINGLE FREQUENCY MEASUREMENTS IN MICROWAVE REGION
AFCRL-63-37 N63-21298 21-09

CUMULATIVE DECISION METHOD FOR IMPROVING ACCURACY IN COMMUNICATION SYSTEMS - NEW FEEDBACK POLICY
AFCRL-63-330 N63-21472 22-08

GAS DYNAMICS - ASYMPTOTIC THEORY OF BOLTZMANN EQUATION N63-21559 22-24

GAS DYNAMICS - SOUND PROPAGATION ACCORDING TO KINETIC THEORY OF GASES N63-21566 22-11

PARTIAL DIFFERENTIAL EQUATION DERIVATION FOR ATMOSPHERIC GRAVITY WAVES
NASA-CR-51163 N63-21950 22-11

STATISTICAL EVALUATION OF LOW ORDER DISTRIBUTION FUNCTIONS AND THERMODYNAMIC PROPERTIES OF NONUNIFORM EQUILIBRIUM FLOW N63-22049 22-11

DECOMPOSITION OF GAMMA PHASE IN TITANIUM-ALUMINUM ALLOY
ASD-TDR-63-325 N63-22130 22-07

POWER SERIES SOLUTION FOR COMPRESSIBLE FLOW PAST CONICAL SHOCK WAVE
NYO-10432 N63-22224 23-11

GROUND STATE OF ATOMIC HELIUM
NYO-10430 N63-22238 23-23

EXACT SOLUTIONS OF DEFINING EQUATIONS FOR NONUNIFORMLY DISTRIBUTED NETWORKS
NYU-TR-400-80 N63-22556 23-20

EFFECTS OF NETWORK SHAPING & LOADING ON TRANSIENT AND FREQUENCY RESPONSE OF DISTRIBUTED RC NETWORKS
AFCRL-63-329 N63-22676 23-09

TWO-CENTER TWO-ELECTRON HYBRID INTEGRALS ARISING FROM ATOMIC ORBITALS
NASA-TN-D-146-III/A/ N63-22705 23-23

TWO-CENTER TWO-ELECTRON HYBRID INTEGRALS ARISING FROM ATOMIC ORBITALS
NASA-TN-D-146-III/B/ N63-22706 23-23

TWO-CENTER TWO-ELECTRON HYBRID INTEGRALS ARISING FROM ATOMIC ORBITALS
NASA-TN-D-146-III/C/ N63-22707 23-23

NEWARK CONTROLS CO., BLOOMFIELD, N.J.
ANALOGIES FOR PNEUMATIC LINEAR CIRCUITS N63-13400 08-11

NICOLAUS COPERNICUS U., TORUN /POLAND/.
GALACTIC STRUCTURE IN STAR FIELDS OF AQUILA SAGITTA AND CASSIOPEIA N63-20715 21-05

NIHON U., TOKYO /JAPAN/.
PHOTOPROTONS EMITTED FROM LIGHT NUCLEI AND NUCLEAR SHELL STRUCTURE
NUP-62-2 N63-12743 06-23

MAGNETIC FIELD GRAVITATIONAL EFFECT ON PLASMA STABILITY - IDEAL MAGNETOHYDRODYNAMICS
NUP-63-1 N63-16283 13-24

ATOMIC ENERGY RELEASED BY CONTROLLED FUSION REACTION - PLASMA, SOLID STATE & THEORETICAL PHYSICS
NUP-63-3 N63-16284 13-23

MEISSNER EFFECT OF SUPERCONDUCTOR AND SELF-ENERGY OF PHOTON - ELECTRIC ANALOGY IN QUANTUM THEORY
NUP-63-4 N63-16691 14-24

POSSIBILITY OF GIVING FINITE MASS TO GAUGE FIELD - EVIDENCE THAT FINITE MASS APPEARS AS SELF ENERGY EFFECT - QUANTUM MECHANICS
NUP-63-7 N63-16692 14-11

ELECTRON TRANSIT TIME IN LANGMUIR PROBE FOR SUPERIMPOSED OSCILLATING FREQUENCY POTENTIAL ABOVE ELECTRON PLASMA FREQUENCY
NUP-63-9 N63-18025 16-28

STABILITY OF PLASMAS IN MAGNETIC FIELDS
IPPJ-7 N63-18885 18-23

GRAVITATIONAL INSTABILITY OF PLASMA PLANE BOUNDARY IN MAGNETIC FIELD - PARTICLE COLLISION
NUP-63-2 N63-19344 18-24

WEAK INTERACTIONS BETWEEN BARYON AND PION
NUP-63-8 N63-19398 18-23

BOSON LEVELS AND COMPOSITE MODEL OF INNER NUCLEAR FORCES
NUP-63-10 N63-22810 23-23

RESONANCE PROBE THEORY EXTENDED TO FINITE TRANSIT TIME EFFECT OF ELECTRONS
NUP-63-12 N63-22913 23-24

NORTH AMERICAN AVIATION, INC., COLUMBUS, OHIO.
STABILITY AND CONTROL STUDY USING DYNAMIC FLIGHT SIMULATOR TO INVESTIGATE HIGH SPEED FLIGHT AT LOW ALTITUDE
NA-62H-397 N63-15046 11-04

HIGH ENERGY RATE METAL WORKING BIBLIOGRAPHY - METALLURGY, MATERIALS SCIENCE
NA62H-46 N63-16334 13-17

APPLIED LOAD RATIOS TO SIMULATE ELEVATED TEMPERATURE STATIC TESTS AT ROOM TEMPERATURE
NA-62H-973 N63-20170 20-33

HUMAN FACTOR PROBLEMS ASSOCIATED WITH LOW ALTITUDE HIGH-SPEED FLIGHT N63-21843 22-04

VISUAL PRESENTATION SIMULATOR FOR STUDY OF VARIOUS PHASES OF LUNAR FLIGHT N63-23214 24-32

NORTH AMERICAN AVIATION, INC., DOWNEY, CALIF.
ELASTIC BUCKLING OF SIMPLY SUPPORTED CORRUGATED CORE SANDWICH CYLINDERS N63-10833 02-33

AEROTHERMOELASTIC PROBLEMS IN VEHICLE DESIGN - FLUTTER, FUSELAGE, AND STATIC AEROELASTICITY N63-11062 03-34

STIFFNESS AND VIBRATION PREDICTION IN TRUSSES, MULTISTAGE CYLINDERS, AND CLUSTERED CYLINDERS N63-11064 03-33

POTASSIUM SUPEROXIDE CANISTER EVALUATION FOR MANNED SPACE VEHICLES - LIFE SUPPORT SYSTEMS
NA-62-283 N63-11341 03-16

BIOLOGICAL PROBLEMS OF LUNAR BASE - PLANTS - CLOSED ECOLOGICAL SYSTEMS N63-11476 03-16

CURING INSULATION ADHESIVES FOR SATURN S-II ROCKET
SDL-324 N63-12427 06-33

TITANIUM TANKAGE DEVELOPMENT - BULKHEAD GORES AND BULKHEAD TOOLING - HONEYCOMB SANDWICH CONSTRUCTION
RTD-TDR-63-1023 N63-14619 10-17

LOGISTICS IN ENGINEERING N63-14888 11-29

CORRELATION OF SOLAR FLARES IN TIME WITH INDICES OF ACTIVITY OF SOLAR REGIONS - PREDICTION OF SOLAR PROTON EVENTS N63-15121 11-28

SPACE SCIENCE - PROPELLANT FLOW METER - INTERVAL TRANSFORMER GAGE N63-16008 13-15

FLIGHT TEST CRITERIA FOR REENTRY NUCLEAR AUXILIARY POWER SYSTEM 10A
AFSWC-TDR-62-83 N63-16327 13-30

SPACECRAFT GUIDANCE - OBITAL RENDEZVOUS AND TRANSFER N63-16807 14-29

FLIGHT TEST CRITERIA FOR REENTRY OF NUCLEAR AUXILIARY POWER SYSTEM
SID-63-39 N63-17497 16-06

TITANIUM TANKAGE DEVELOPMENT - ENGINEERING - MANUFACTURING - QUALITY CONTROL
SID-63-846 N63-18991 18-17

LUNAR AND PLANETARY EXPLORATION - EXOBIOLOGY AND BIOLOGICAL EFFECTS OF RADIATION
N63-19478 19-16

SOLAR HIGH-ENERGY PARTICLE RADIATION MEASURED IN GEOMAGNETIC FIELD BY POLAR CAP ABSORPTION
N63-19486 19-28

ACCELERATION EFFECTS ON BEHAVIOR OF HIGHER PLANTS - PLAGIOGEOTROPISM N63-19494 19-16

SELF-DEPLOYING SPACE STATION
NASA-CR-50735 N63-19951 19-32

METEOROID HAZARD TO SPACE VEHICLES
SID-62-519 N63-19952 19-29

POTENTIAL OF APOLLO PROJECT TO AID AEROSPACE MEDICINE N63-20563 20-32

PRIME CONTRACTORS ROLE IN NATIONAL SPACE PROGRAM - NASA N63-21149 21-01

THE THREE- OR MANY-BODY PROBLEM - ANNOTATED BIBLIOGRAPHY
SID-63-157 N63-21197 21-20

OPTIMUM TWO-IMPULSE ORBITAL TRANSFER AND RENDEZVOUS BETWEEN INCLINED ELLIPTICAL ORBITS
AIAA PAPER-63423 N63-21331 21-29

INTERPLANETARY MAGNETIC FIELD MEASURED BY EXPLORER X, PIONEER V, AND MARINER II
SID-63-380 N63-21907 22-29

PACE CHECKOUT PROGRAM UTILIZING COMPUTER, DIGITAL TRANSMITTER VERIFICATION COVERTER, COMMAND AND RESPONSE SYSTEM, DECOMMUTATOR AND PCM SIMULATOR
SID-63-955 N63-22149 22-09

SOLAR CELLS AS SPACECRAFT AUXILIARY POWER SOURCES
SID-62-708 N63-22771 23-06

BIBLIOGRAPHY OF GROUND ANTENNA FEEDS FOR SPACE COMMUNICATION
SID-63-60 N63-22772 23-09

SOLAR FLARE AND SOLAR RADIATION PREDICTIONS FROM CALCIUM PLAGE MOVEMENT
SID-63-347 N63-22773 23-29

LITERATURE SURVEY OF TELEMETERING SYSTEMS FOR THE LIFE SCIENCES
SID-63-284 N63-23047 24-16

INDUSTRIAL APPLICATION OF ULTRASONIC ENERGY TO CLEANING AND DEGREASING ELECTRONIC COMPONENTS - BIBLIOGRAPHY
SID-63-167 N63-23353 24-01

DATA PROCESSING IN LIFE SCIENCES
SID-63-200 N63-23420 24-16

BIBLIOGRAPHY OF TECHNIQUES OF RADIOGRAPHIC INSPECTION
SID-63-1186 N63-23592 24-06

COATED AND BARE REFRACTORY & SUPERALLOY THIN SHEET MECHANICAL AND THERMOPHYSICAL PROPERTIES
SID-62-1219-3 N63-23790 24-18

NORTH AMERICAN AVIATION, INC., LOS ANGELES, CALIF.
FLUTTER PANEL TESTS IN TRANSONIC AND SUPERSONIC WIND TUNNELS
NA-62-1110 N63-10466 01-03

ELASTIC STABILITY IN AIRCRAFT STRUCTURAL DESIGN
N63-10813 02-34

AEROTHERMOELASTIC PROBLEMS IN VEHICLE DESIGN - FLUTTER, FUSELAGE, AND STATIC AEROELASTICITY
N63-11062 03-34

DESIGN REQUIREMENTS FOR PORTABLE, GASOLINE-POWERED THERMIONIC GENERATORS N63-14141 09-06

COMPACT NUCLEAR REACTOR DESCRIPTIONS - PLANNED OPERATIONAL AVAILABILITY N63-14144 09-06

STATUS OF X-15 AERODYNAMIC-HEATING STUDIES - FLIGHT TEST AT MACH 3.1 FOR OBTAINING DATA ON HEAT TRANSFER AND BOUNDARY LAYER TRANSITION
N63-15312 12-04

MOMENTS OF INERTIA AND CENTERS OF GRAVITY OF LIVING HUMAN BODY
AMRL-TDR-63-36 N63-18636 17-16

MATERIAL R&D ON FAMILIES OF BRAZED AND WELDED FITTINGS FOR ROCKET PROPULSION FLUID SYSTEMS
RTD-TDR-63-1027 N63-22637 23-27

NORTH CAROLINA STATE COLL., RALEIGH.
SLOWING APPROXIMATIONS IN NEUTRON TRANSPORT THEORY
N63-12054 05-23

NON-NEWTONIAN FLUID FLOW BY TRACER DISPLACEMENT
AROD-1830-1 N63-12757 06-11

TIME CORRELATION TECHNIQUE FOR INVESTIGATING TWO CONNECTED NUCLEAR TRANSFORMATIONS - RADIOACTIVE DECAY
AROD-2543-8 N63-13432 08-23

DUAL SERIES RELATIONS FOR FOURIER-BESSEL, DINI, SINE, COSINE, LEGENDRE FUNCTION, AND JACOBI POLYNOMIAL SERIES
PSR-13/1 N63-15221 11-20

SPINEL SINGLE CRYSTALS - CRYSTAL GROWTH AND STRUCTURE DEFECTS
ASD-TDR-62-1086 N63-18028 16-18

EFFECT OF INTERNAL CRACKS ON DISTRIBUTION OF STRESS IN THIN ELASTIC SHEETS AND CYLINDERS
N63-18218 17-33

STRESS DISTRIBUTION NEAR CRACK IN TWO-DIMENSIONAL ELASTIC SHEET N63-19149 18-33

MAGNETOPLASMADYNAMIC CHANNEL FLOW WITH HALL CURRENTS
ARL-63-145 N63-23129 24-24

MATHEMATICAL ANALYSIS OF AN EXTERNAL CRACK PROBLEM WITH ASYMMETRICAL LOADING
N63-23349 24-33

NORTH CAROLINA U., CHAPEL HILL.
VENTILATORY RESPONSE TO CARBON DIOXIDE AND TO OXYGEN AFTER ACCLIMATIZATION TO CARBON DIOXIDE
AMRL-TDR-62-136 N63-11755 04-16

OPTIMUM SPACING FOR PARAMETER ESTIMATION OF GAMMA RADIATION DISTRIBUTION
AROD-2776-10 N63-14826 11-20

ESTIMATION AND TESTING OF PARAMETERS OF DISTRIBUTIONS BY ORDER STATISTICS - MATHEMATICAL STATISTICS AND BIOSTATISTICS
AROD-2776-11 N63-15812 13-01

SPACECRAFT GUIDANCE - LINEAR PROGRAMMING - COMPUTERS N63-16811 14-20

NUMERICAL ANALYSIS OF FUNCTIONS WITH INDEPENDENT VARIABLES - GUIDANCE SYSTEMS N63-18697 17-20

LINEAR PROGRAMMING FOR APPROXIMATE COMPUTATION OF GUIDANCE FUNCTION FOR ADAPTIVE CONTROL SYSTEMS
N63-18698 17-20

COMPUTER APPLICATION TO FLAT EARTH PROBLEM WITH ANALYTICAL FUNCTIONS - GUIDANCE SYSTEMS
N63-18700 17-20

KNOCK-ON ELECTRONS OF FAST MU-MESON
N63-19989 19-23

CROSS-SECTIONS OF YANG-MILLS QUANTA & APPLICATION

OF GENERALIZATION OF ELECTROMAGNETIC FIELD TO ELEMENTARY PARTICLE PHYSICS & QUANTUM FIELD THEORY
AFOSR-62-120 N63-20784 21-23

NORTHEAST LOUISIANA STATE COLL., MONROE.
SPACECRAFT GUIDANCE - ORTHOGONAL FUNCTIONS
N63-16809 14-20

VARIABLE LEAST SQUARE APPROXIMATION OF POLYNOMIALS - GUIDANCE SYSTEMS
N63-18699 17-20

NORTHEASTERN U., BOSTON, MASS.
OPTIMAL SYNTHESIS OF AIR DEFENSE SYSTEMS USING MARKOV MODELS
AFCRL-62-354 N63-11632 04-20

TRANSPORT PHENOMENA AS APPLIED TO THERMOCOUPLES - APPLICATION OF BOLTZMANN EQUATIONS
AFCRL-62-1047 N63-11709 04-24

CALCULATION OF PROBABILITY DENSITY FUNCTION OF SUMS AND PRODUCTS OF RANDOM VARIABLES
AFCRL-62-795 N63-13020 07-20

MATHEMATICAL ANALYSIS OF COMPLEX SYSTEMS - QUEUING THEORY, LANCHESTER THEORY OF COMBAT, GAME THEORY, NUMERICAL METHODS, SIMULATION AND MARKOV MODELS
AFCRL-63-38 N63-13978 09-20

MEASUREMENT OF PARTICLE DAMAGE TO SURFACES OF SPACE VEHICLES
AFCRL-63-20L N63-14064 09-30

COMPARISON OF SPEECH SIGNALS PROCESSED BY VOCODER AND BY DIGITAL VOICE DATA PROCESSING SYSTEM - INTELLIGIBILITY TEST
AFCRL-63-118 N63-16725 14-23

INPUT WAVEFORMS TO YIELD TIME-LIMITED ORTHOGONAL OUTPUTS
AFCRL-62-907 N63-19808 19-09

DATA TRANSMISSION & TRAJECTORY DETERMINING SYSTEMS FOR RESEARCH VEHICLES
AFCRL-63-821/1/ N63-21719 22-22

TRANSMISSION OF CONTINUOUS ANALOG DATA AND PULSE AMPLITUDE TIME MULTIPLEXED DATA INTO DIGITAL FORMATS ON MAGNETIC TAPE - DATA REDUCTION
AFCRL-63-814 N63-21923 22-08

NORTHERN RESEARCH AND ENGINEERING CORP., LONDON /GT. BRIT./
KINETICS IN HYDROGEN AIR FLOW SYSTEMS - CALCULATION OF AUTOIGNITION DELAYS FOR HYPERSONIC RAMJETS
N63-18522 17-07

NORTHROP CORP., ANAHEIM, CALIF.
ALERT, A ONE MEGACYCLE COMPUTER DEVELOPED FOR RECEPTION AND REAL TIME PROCESSING OF TELEMETRY DATA FOR PRELAUNCH CHECK AND IN-FLIGHT MONITORING
NSS-2579 N63-16129 13-08

NORTHROP CORP., HAWTHORNE, CALIF.
PRELIMINARY LOCOMOTION ANALYSIS OF LUNAR SURFACE VEHICLES
N63-10371 01-32

LUNAR TRACKER MATHEMATICAL TECHNIQUES AND DIGITAL SIMULATION
N63-10398 01-20

SPATIAL FILTERING
N63-10399 01-08

CELESTIAL BACKGROUND SIMULATION TECHNIQUES
N63-10401 01-20

QUARTZ LAMP RADIANT HEAT BRAZING OF REFRACTORY METAL HONEYCOMB SANDWICH CONSTRUCTION
IR-7-937A/1/ N63-11011 03-17

ANALYSIS OF VARIABLE GEOMETRY SPACE ERECTABLE STRUCTURES CONCEPT BASED ON RING-SUPPORTED INTERLACED ARCH PRINCIPLES
NSL-62-228 N63-12355 06-34

BIOLOGICAL AND PHYSIOLOGICAL STUDIES OF PEROGNATHUS, POCKET MICE
NSL-62-125-2 N63-12356 06-16

ORBIT EQUATIONS BASED ON GENERAL INITIAL CONDITIC AND NOT DEPENDENT ON ORBIT ECCENTRICITY
NSL-62-13 N63-12633 06-2

ANALYSIS OF FLIGHT MECHANICS FOR LUNAR TRAJECTORIES FROM ORBITAL LAUNCH INCLUDING STUDY OF ESCAPE WINDOWS
NSL-62-57 N63-12696 06-2

STAR LIST FOR USE WITH STAR TRACKER OF MARK 1 GUIDANCE SYSTEM
NAI-56-755 N63-12816 06-0

SELF-SEALING STRUCTURES FOR CONTROL OF METEOROID HAZARD TO SPACE VEHICLE
NSL-62-132-2 N63-13519 08-3

Q-BALL TEST AND CALIBRATION USING TF-16 ELECTRONI AND PNEUMATIC ANALYZERS
NORT-62-412 N63-13840 09-1

PRODUCTION OF SOLAR HIGH-ENERGY PROTON PARTICLES EXPLAINS SOLAR RADIATION FLARE PHENOMENA
N63-15122 11-2

HYPERVELOCITY PUNCTURING OF ELASTOMER SELF-SEALIN STRUCTURE FOR SPACE VEHICLE
NSL-63-53 N63-15390 12-3

FATIGUE TESTING OF HONEYCOMB CORE SANDWICH CONSTRUCTIONS
ASD-TDR-61-338 N63-15839 13-3

SPACE SCIENCE - SPACECRAFT DESIGN FOR MANNED SPACE FLIGHT N63-16012 13-1

UTILIZATION OF DYNAMICALLY SIMILAR STRUCTURAL MODELS IN PREDICTING VIBRATION RESPONSES OF FLIGHT VEHICLES N63-16077 13-3

METHOD OF ANALYSIS AND SYNTHESIS OF PILOTED AIRCRAFT FLIGHT CONTROL SYSTEMS
AE-61-4-1 N63-16119 13-0

LINEAR APPROACH TO DYNAMICS OF FLUIDS AT ZERO GRAVITY
NSL-63-21 N63-17210 15-1

PROPELLANTS FOR CROSSED FIELD MAGNETOHYDRODYNAMIC ACCELERATION - PLASMA TEMPERATURE BY PHOTOGRAPHIC MEASUREMENT
NSL-62-149-2 N63-18077 16-2

ERRORS PRODUCED DURING FIRING OF RETROROCKET ENGINE IN LUNAR LANDING TRAJECTORY
NORT-62-21 N63-18456 17-2

SELF SEALING SPACECRAFT STRUCTURES IN METEOROID ENVIRONMENT
NASA-CR-50000 N63-18867 18-3

SPACE RADIATION - VAN ALLEN BELT, SOLAR FLARES, SOLAR WIND, AND GALACTIC COSMIC RAYS
ASD-TDR-62-606 N63-19738 19-2

RADIATION RESISTANT FLIGHT CONTROL SYSTEMS FOR AEROSPACE VEHICLES
ASD-TDR-63-75 N63-19799 19-0

RESPONSE OF NONLINEAR SYSTEMS TO EXCITATION BY RANDOM NOISE N63-20102 20-2

PREDICTION OF STRUCTURAL RELIABILITY IN FLIGHT VEHICLE MODEL - RESPONSE TO ACOUSTIC VIBRATIONAL STRESS
ASD-TDR-62-801 N63-21115 21-0

FORTRAN PROGRAM FOR CALCULATING SUPERSONIC FLOW THROUGH CURVED CHANNELS
ARL-63-117 N63-22143 22-1

BIOLOGY AND PHYSIOLOGY OF POCKET MOUSE AS ORGANISM FOR BIOSATELLITE RESEARCH
NASA-CR-51643 N63-23530 24-1

METABOLISM OF LITTLE POCKET MOUSE /PEROGNATHOS LONGIMEMBRIS/ FOR USE IN BIOSATELLITES
N63-23531 24-1

RESPONSE OF POCKET MOUSE TO IONIZING RADIATION WITH APPLICATION TO SPACE BIOLOGY - RADIATION RESISTANCE N63-23532 24-16

METABOLIC RATES OF IRRADIATED POCKET MICE PEROGNATHUS LONGIMEMBRIS - SPACE BIOLOGY N63-23533 24-16

BLOOD VALVES OF POCKET MICE - PEROGNATHUS MORPHOLOGIC COMPARISON - EFFECTS OF IONIZING RADIATION N63-23534 24-16

KARYOTYPE ANALYSIS OF PEROGNATHUS - NUMERICAL AND MORPHOLOGICAL DIVERGENCE - GENETICS N63-23535 24-16

BREEDING OF HETEROMYID RODENTS - ANNOTATED BIBLIOGRAPHY N63-23536 24-16

PROPOSED EXPERIMENT - EFFECTS OF EXTRATERRESTRIAL RESIDENCE ON POCKET MICE - METABOLIC RHYTHM N63-23537 24-16

LIFE SUPPORT SYSTEM FOR STUDY OF BIOLOGICAL RHYTHM IN POCKET MICE N63-23538 24-16

NORTHROP CORP., VENTURA DIV., CALIF.
RECOVERY SYSTEMS CONSIDERATION - PARACHUTES N63-23325 24-06

NORTHWESTERN TECHNOLOGICAL INST., EVANSTON, ILL.
CRITICAL PATH ANALYSES VIA CHANCE CONSTRAINED AND STOCHASTIC PROGRAMMING
ONR-RM-62 N63-10603 02-20

OPTIMIZING ENGINEERING DESIGNS UNDER INEQUALITY CONSTRAINTS AND APPLICATION TO COMPUTER ROUTINES
ONR-RM-64 N63-10604 02-20

GROWTH OF CHLORELLA ON PRODUCTS FROM THE INCINERATION OF HUMAN WASTES N63-11482 03-16

DISLOCATIONS IN RUTILE REVEALED BY THE ETCH-PIT TECHNIQUE N63-12006 05-19

MANAGEMENT SCIENCE AND MANAGING
ONR-RM-53 N63-13737 08-01

DECISION MAPPING OPTIMUM NETWORKS /DEMON/ - MODEL FOR NEW PRODUCTS MARKETING
ONR-RM-79 N63-20782 21-06

NORTHWESTERN U., EVANSTON, ILL.
GENERALIZED BAYES SOLUTIONS IN ESTIMATION PROBLEMS N63-10097 01-20

INSTABILITY OF CYLINDRICAL SHELLS UNDER HYDROSTATIC PRESSURE N63-10825 02-33

SHELL STRUCTURE INSTABILITY - SOVIET CONTRIBUTIONS N63-10858 02-33

TEST FOR SPEECH DISCRIMINATION USING PHONEMES - AUDIOLOGY
SAM-TDR-62-135 N63-15947 13-14

HEAT TRANSFER BETWEEN SOLID SURFACES AND FLUIDS NEAR THEIR THERMODYNAMIC CRITICAL POINT
AROD-2000-7 N63-16979 14-13

PARTITION FUNCTIONS AND THERMODYNAMIC PROPERTIES OF ARGON PLASMA
AEDC-TDR-63-146 N63-20657 20-24

THEORY OF ORTHOGONAL FUNCTIONS WITH APPLICATIONS TO LINEAR EQUATIONS AND LINEAR PROGRAMMING BY USING FREDHOLM INTEGRAL EQUATION
ONR-RM-78 N63-20923 21-20

GEOMETRY OF SOLVABILITY AND DUALITY IN LINEAR PROGRAMMING - LINEAR INEQUALITIES
ONR-RM-80 N63-20924 21-20

CRYSTAL STRUCTURE OF ALPHA MERCURY - CRYSTALLOGRAPHIC ANGLES N63-20965 21-25

INCINERATION OF HUMAN WASTE - ODOR CONTROL DURING VOLATILIZATION PROCESS
AAL-TDR-62-47 N63-21398 22-16

NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT, KJELLER.
SOLID STATE DECOMMUTATOR FOR SUBCOMMUTATED FM SUBCARRIER TELEMETRY SYSTEMS
NDRE-T-231 N63-12830 06-08

MEASUREMENT OF ELECTRON DENSITY AND COLLISION FREQUENCY PROFILE IN LOWER D-REGION DURING POLAR RADIO BLACKOUT
FFIT-E-2 N63-17541 16-12

IRREGULAR STRUCTURE AND MOTIONS IN IONOSPHERIC F-LAYER - RADIO WAVE REFRACTION METHOD
AFCRL-63-198 N63-19477 19-12

ELECTRON DENSITY AND COLLISION FREQUENCY OBSERVATIONS IN LOWER D-REGION DURING AURORAL ABSORPTION N63-19765 19-12

SCIENTIFIC AIMS OF DANISH-NORWEGIAN ROCKET PROJECT - ROCKETRY N63-21079 21-12

RESEARCH DONE AT ANDOYA - ROCKETRY N63-21081 21-22

TELEMETRY AND ROCKET EXPERIMENTS AT ANDOYA N63-21083 21-22

STEP FREQUENCY SOUNDER FOR LONG RANGE IONOSPHERIC TRANSMISSION
FFIK-IR-K-E-10 N63-22298 23-09

HIGH LATITUDE IONOSPHERE D-REGION ELECTRON DENSITY BY RADIO WAVE REFLECTION AND RIOMETER METHOD
NDRE-46 N63-22299 23-12

NORWEGIAN INST. OF TECH., TRONDHEIM.
BENDING AND VIBRATION OF ISOTROPIC RECTANGULAR PLATE WITH HINGED SLOT N63-20467 20-33

NORWEGIAN METEOROLOGICAL INST., BLINDERN.
ATMOSPHERIC OZONE VARIATIONS AND ADVECTIONS IN NORTHERN NORWAY N63-14543 10-12

NORWEGIAN PARTICIPATION IN FRENCH ROCKET EXPERIMENTS IN THE SAHARA N63-21084 21-12

SPECTRAL ENERGY FLUXES IN BAROTROPIC & BAROCLINIC MOTIONS AND NONLINEAR INTERACTION OF TEMPERATURE AND VELOCITY FIELDS IN DISTURBANCES
AFCRL-63-883 N63-22506 23-23

NOTRE DAME U., IND.
EFFECTS OF MODES OF INITIAL IMPERFECTIONS ON STABILITY OF CYLINDRICAL SHELLS UNDER AXIAL COMPRESSION N63-10818 02-33

CALCULATION OF INCOMPRESSIBLE LAMINAR BOUNDARY LAYERS OVER ARBITRARY CYLINDERS IN UNSTEADY FLOW N63-13110 07-11

NOVOTECHNIK KG., STUTTGART /W. GERMANY/.
HELICOPTER FLIGHT INSTRUMENTATION - INSTRUMENTAL CONTROL, MEASURING AERODYNAMICS OF ROTATING AIRFOILS N63-20161 20-04

NUCLEAR CHEMICAL PLANT, LTD., LONDON /GT. BRIT./.
TREATMENT OF LOW LEVEL AQUEOUS RADIOACTIVE WASTES N63-18944 18-07

NUCLEAR CORP. OF AMERICA, PHOENIX, ARIZ.
HIGH PURITY SAMARIUM, EUROPIUM AND GADOLINIUM ZONE REFINING
AFCRL-63-36 N63-16598 14-18

NUCLEAR METALS, INC., CONCORD, MASS.
BERYLLIUM RESEARCH - ELECTRON MICROSCOPY, POWDER, RECRYSTALLIZATION, AND IMPURITIES
NMI-9522 N63-10311 01-18

BERYLLIUM RESEARCH AND DEVELOPMENT PROGRAM - PHYSICAL PROPERTIES, METALLOGRAPHY, CRYSTALLOGRAPHY
NMI-9525 N63-12712 06-18

SOLUBILITY AND DIFFUSION OF GASES IN BERYLLIUM - OXYGEN, NITROGEN AND HYDROGEN
ASD-TDR-62-1018 N63-15750 12-18

BERYLLIUM RESEARCH - PURIFICATION BY VACUUM

DISTILLATION, JOINING BY ULTRASONIC WELDING, FLOW AND FRACTURE CHARACTERISTICS
ASD-TDR-62-509, VOL. II N63-16999 15-18

ATOMIC MOTIONS ON TWINNING OF ORDERED ALLOY - TWINNED STRUCTURE OF INTERMETALLIC MAGNESIUM CADMIUM COMPOUND
ASD-TDR-63-188 N63-18792 18-18

DIES FOR EXTRUSION OF COMPLEX SHAPES OF STEEL AND REFRACTORY ALLOYS
ASD-TDR-7-946/III/ N63-20414 20-17

O

OAK RIDGE INST. OF NUCLEAR STUDIES, INC., TENN.
RADIATION THERAPY OF MALIGNANT DISORDERS USING TOTAL BODY IRRADIATION - USE OF MEDICAL NUCLIDES, RADIOISOTOPES, AND TRACERS
ORINS-42 N63-18744 17-16

OAK RIDGE NATIONAL LAB., TENN.
CESIUM IODIDE ACTIVATED WITH THALLIUM- SCINTILLATION IN CRYSTALS
ORNL-3354 N63-10542 01-23

PULSE HEIGHT CALCULATIONS FOR A PARALLEL PLATE ELECTRODE IONIZATION CHAMBER CONTAINING AN ATTACHING GAS
ORNL-3090 N63-10587 02-23

COMPUTER PROGRAMS USING ZONAL HARMONICS FOR MAGNETIC PROPERTIES OF CURRENT SYSTEMS
ORNL-3318 N63-10657 02-20

CREEP BUCKLING OF SPHERICAL SHELLS
N63-10850 02-33

FABRICATION AND ASSEMBLY OF A TEFLON DROPPING-MERCURY ELECTRODE
ORNL-3344 N63-10867 02-17

AERODYNAMIC-THERMODYNAMIC STUDY OF CENTRIFUGAL COMPRESSORS
ORNL-3294 N63-11210 03-03

RADIATION SAFETY AND CONTROL - DOSES, DETECTION, SHIELDING
TID-7027 N63-11535 03-16

KINEMATICS FORTRAN PROGRAM FOR NUCLEAR REACTION ANALYSIS
ORNL-3251 N63-11566 04-20

NUCLEON-MESON CASCADE CALCULATIONS - TRANSVERSE SHIELDING FOR HIGH ENERGY ELECTRON ACCELERATOR INCLUDING COMPUTER CODE FOR NUMERICAL SOLUTION
ORNL-3289 N63-11730 04-23

NUCLEAR REACTOR - RADIATION DETECTION - RADIATION SHIELDING
ORNL-3360 N63-11754 04-23

NUCLEAR STAR DENSITY PRODUCED BY 24-GEV PROTON BEAM IN HEAVY CONCRETE
ORNL-3367 N63-11983 05-23

TRANSURANIUM ELEMENTS - EXTRACTION, HIGH FLUX ISOTOPE REACTOR TARGET FABRICATION, CORROSION, AND PREPARATION OF URANIUM-232
ORNL-3375 N63-12218 05-07

INSTANTANEOUS AND CREEP BUCKLING OF OUT-OF-ROUND TUBES UNDER EXTERNAL PRESSURE
ORNL-3299 N63-12257 05-33

DCX-2 PERFORMANCE CURVES - STEADY STATE ION DENSITY VERSUS INJECTED CURRENTS
ORNL-3387 N63-12258 05-24

GAS-COOLED REACTOR PROGRAM - DESIGN, DEVELOPMENT AND PERFORMANCE
ORNL-3372 N63-12316 05-10

CASPER PROGRAM FOR PLOTTING AND SCALING DATA
ORNL-3394 N63-12345 05-20

ANALYTICAL CHEMISTRY - ELECTROCHEMISTRY, RADIATION DAMAGE, SPECTROMETRY, INSTRUMENTATION
ORNL-3397 N63-12657 06-

INSTRUMENTATION AND CONTROLS - REACTOR, PROCESS, AND ACCELERATOR
ORNL-3378 N63-12727 06-

LINE DISCONNECTS FOR URANIUM PROCESSING FACILITY
ORNL-3389 N63-12989 07-

NUCLEON-MESON CASCADE CALCULATIONS AND SHIELDING OF 800-MEV PROTON BEAM
ORNL-3406 N63-12990 07-

NUCLEON-MESON CASCADE CALCULATIONS - PART 2, TRANSVERSE SHIELDING FOR 45-GEV ELECTRON ACCELERATOR
ORNL-3365 N63-13250 07-

GRAPHITE USE IN GAS COOLED REACTOR CONCEPT
ORNL-3396 N63-13307 07-

SPACE VEHICLE SHIELDING - MODEL SOLAR FLARE ATTENUATION AND MONOENERGETIC PROTON BEAMS BY ALUMINUM SHIELDS N63-13319 07-

PLASMA PHYSICS - DCX-1 AND DCX-2 PLASMA, VACUUM ARC, IONS, MAGNETICS AND SUPERCONDUCTIVITY
ORNL-3392 N63-13458 08-

STRESS STATE EFFECT ON HIGH TEMPERATURE LOW CYCLE FATIGUE - INCONEL
ORNL-3398 N63-13974 09-

ALGOL 60 SYNTAX CHECKER FOR IBM 7090 COMPUTER
ORNL-3399 N63-13975 09-

BIBLIOGRAPHY OF ELECTROMAGNETICALLY ENRICHED STABLE ISOTOPES
ORNL-3266 N63-14493 10-

EXPERIMENTAL DETERMINATION OF CORRECTIONS TO NEUTRON FLUX OF GOLD FOIL IN WATER
ORNL-3407 N63-14567 10-

IN-AIR RADIATION MEASUREMENTS IN VICINITY OF TOWE SHIELDING REACTOR II
ORNL-3288 N63-14663 10-

REACTOR INSTRUMENTATION AND CONTROLS - RADIATION MONITORING, NUCLEAR SPECTROSCOPY, DATA PROCESSING HIGH-VOLTAGE ACCELERATOR SUPPORT EQUIPMENT
ORNL-3191 N63-14801 11-0

GAS-COOLED REACTOR PROGRAM - DESIGN, FUEL, MATERIALS, PEBBLE BED REACTOR EXPERIMENT
ORNL-3254 N63-14812 11-

EFFECT OF HIGH ENERGY ALPHA RAY ON CORROSION OF METAL EXPOSED TO CHLORIDE SOLUTION
ORNL-3265 N63-14813 11-0

HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER - FORCED-CONVECTION SATURATION BOILING OF POTASSIUM AT NEAR ATMOSPHERIC PRESSURE FOR REACTOR COOLING
N63-15012 11-1

MATHEMATICS - NUMERICAL ANALYSIS, MEDICAL STATISTICS, AND PROGRAMMING
ORNL-3423 N63-15047 11-2

RADIATION HAZARD - RELATIONSHIP OF RELATIVE BIOLOGICAL EFFECTIVENESS /RBE/ AND LINEAR ENERGY TRANSFER /LET/ N63-15137 11-1

MONTE CARLO METHOD FOR CASCADES OF HIGH ENERGY NUCLEAR PARTICLES N63-15140 11-2

MEASUREMENT OF NUCLEAR SECONDARY PARTICLES FROM INTERACTION OF PROTONS N63-15141 11-3

MONTE CARLO METHOD FOR NUCLEON TRANSPORT THROUGH SPACECRAFT SHIELDING N63-15143 11-2

RADIATION DOSE IN TISSUE FROM HIGH-ENERGY PROTONS N63-15144 11-1

EFFECT OF NUCLEON-MESON CASCADE FROM PROTON BEAM ON ALUMINUM SPACECRAFT SHIELDING
N63-15148 11-3

RADIATION DOSE FROM PRIMARY COSMIC RAYS COMPARED TO DOSE FROM GAMMA RAYS PRODUCED BY PROTON-PROTON REACTIONS IN SOLAR FLARE - SPACECRAFT SHIELD
N63-15150 11-28

CHEMISTRY OF MOLTEN-SALT, AQUEOUS, AND SOLID-FUELED NUCLEAR REACTORS AND NUCLEAR SHIP, SAVANNAH
ORNL-3417 N63-15441 12-07

HEALTH PHYSICS INSTRUMENT MANUAL
ORNL-332/3RD ED./ N63-16031 13-15

CALCULATIONS ON HIGH ENERGY NUCLEAR INTERACTIONS AND CASCADE REACTIONS BY MONTE CARLO METHOD
ORNL-3383 N63-16125 13-23

RECURSION RELATIONS AND INVARIANT ARRAY OF QUANTUM NUMBERS IN LINEAR COMBINATIONS FOR 6-J SYMBOLS
ORNL-3440 N63-16170 13-23

ELECTRONUCLEAR DIVISION - NUCLEAR REACTION STUDIES AND CYCLOTRON OPERATIONS
ORNL-3432 N63-16499 14-25

DESCRIPTION OF PRINTED OUTPUT FROM INTRANUCLEAR CASCADE CALCULATION
ORNL-3433 N63-16500 14-25

MATHEMATICAL MODELS - MATRIX INVERSION FOR DATA PROCESSING, CONTROL AND STORAGE SYSTEMS
ORNL-3430 N63-16543 14-20

ANNEALING OF GAMMA RAY INDUCED CHANGES IN ANTIMONY DOPED GERMANIUM
ORNL-3443 N63-16544 14-23

ALPHA PARTICLE IONIZATION OF ARGON MIXTURES - ROLE OF EXCITED STATES
ORNL-3422 N63-16955 14-11

WETTABILITY OF VARIOUS PURE METALS AND ALLOYS ON BERYLLIUM
ORNL-3438 N63-17070 15-18

ABSTRACTS AND BIBLIOGRAPHY OF NUCLEAR PHYSICS RESEARCH
ORNL-3425 N63-17249 15-23

THERMOLUMINESCENCE SPECTRA AND ACTIVATION ENERGIES FOR AROMATIC AMINO ACIDS, TRYPSIN, AND SPORES OF BACILLUS MEGATERIUM
ORNL-3115 N63-17442 15-16

SUBROUTINE FOR GRAPHING BY COMPUTER - LINEAR AND LOGARITHMIC - CALCOMP PLOTTER
ORNL-3447 N63-17538 16-20

TESTING OF HIGH EFFICIENCY FILTERS AND FILTER INSTALLATIONS FOR PREVENTION OF AIR POLLUTION BY RADIOACTIVE WASTE
ORNL-3442 N63-17771 16-15

FISSION GAS RELEASE FROM COATED FUEL CELLS
ORNL-3421 N63-18021 16-23

HANDLING AND PROCESSING OF REACTOR FUELS, RADIOACTIVE MATERIALS AND WASTES
ORNL-3314 N63-18329 17-01

RADIATION EFFECT ON HETEROGENEOUSLY CATALYZED REACTIONS AND CHEMISORPTION - ANNOTATED BIBLIOGRAPHY
ORNL-3461 N63-18816 18-07

SOLID STATE PHYSICS AT OAK RIDGE NATIONAL LABORATORY
ORNL-3364 N63-18853 18-25

IN-PILE RADIATION CORROSION EXPERIMENTS WITH ZIRCONIUM, TITANIUM, AND STEEL ALLOYS IN URANYL SULFATE SOLUTIONS AT 280-DEG C
ORNL-3099 N63-19077 18-18

PROCESSING MULTICHANNEL ANALYZER NUCLEAR REACTION SPECTRA WITH NEWDAC PROGRAM
ORNL-3405 N63-19123 18-20

DCX-2 APPARATUS - PLASMA GENERATION BY INJECTION AND DISSOCIATION OF 600-KEV HYDROGEN MOLECULAR IONS IN MAGNETIC MIRROR FIELD
ORNL-3325 N63-19148 18-24

SCATTERED GAMMA RAY FLUXES IN WATER - ENERGY SPECTRA TABLES GENERATED ON IBM 7090 COMPUTER
ORNL-3466 N63-19172 18-23

HARDNESS TESTING AT HIGH TEMPERATURES - EQUIPMENT TO MEASURE HARDNESS OF ALLOYS
ORNL-3448 N63-19208 18-18

FIXED FIELD AND FREQUENCY, HIGH ENERGY PARTICLE ACCELERATOR WITH STRONG FOCUSING POWER, CAPABLE OF PROTON ACCELERATION TO 1-GEV
ORNL-3431 N63-19217 18-23

EMISSION SPECTRA OF IRRADIATED FOILS OF COPPER, GERMANIUM, SILVER, TIN AND ANTIMONY AS FUNCTION OF WAVELENGTH AND ELECTRON ENERGY
ORNL-3450 N63-19309 18-25

ANALYTICAL MODEL FOR FISSION-PRODUCT TRANSPORT AND DEPOSITION FROM GAS STREAMS
ORNL-3379 N63-19341 18-11

FORTRAN PROGRAM FOR CALCULATING NUCLEON SCATTERING FROM NONLOCAL OPTICAL POTENTIAL
ORNL-3429 N63-19519 19-20

ENERGY DOSAGE IN LUCITE PHANTOMS FROM SECONDARY EMISSION OF PROTON IRRADIATED TARGETS
ORNL-3457 N63-19520 19-09

ACTIVITY COEFFICIENTS OF HYDROCHLORIC ACID AND SODIUM CHLORIDE IN HYDROCHLORIC ACID-SODIUM CHLORIDE MIXTURES BASED ON PH FACTOR
ORNL-3471 N63-19813 19-07

PLASMA STABILITY, PARTICLE ACCELERATION, VACUUM SYSTEMS, AND SUPERCONDUCTIVITY RESEARCH
ORNL-3472 N63-19842 19-24

SOLID STATE PHYSICS - RADIATION DAMAGE, ELECTRON MICROSCOPY, IONIC CRYSTALS, X-RAY DIFFRACTION, SPIN RESONANCE, AND RADIATION METALLURGY
ORNL-3480 N63-20230 20-25

METAL - MOLTEN METAL HALIDE SOLUTIONS - ELECTROLYTIC ACTIVITY, PHASE DIAGRAMS OF EQUILIBRIUM CONSTANTS, & COLORIMETRY
ONRL-3391 N63-20395 20-07

RADIATION SHIELDING OF MAN IN SPACE - AEROSPACE MEDICINE N63-20571 20-16

ELECTRONIC ABSORPTION SPECTRA OF MOLTEN SALTS
ORNL-3411 N63-20907 21-19

LIGHT EMISSION FROM GOLD FOILS BY HIGH ENERGY ELECTRON BEAM - POLARIZED LIGHT
ORNL-3468 N63-21014 21-23

PERFORMANCE AND DEVELOPMENT OF GAS COOLED REACTORS
ORNL-3445 N63-21258 21-23

CORROSION MECHANISMS IN REFRACTORY METAL-ALKALI METAL SYSTEMS
ORNL-3424 N63-21380 22-18

TIME-OF-FLIGHT MEASUREMENT OF FISSION FRAGMENTS WITH PHOTOMULTIPLIER
ORNL-3486 N63-21470 22-23

NUCLEAR SAFETY - PHYSICS, FISSION RELEASE AND BEHAVIOR, CONTAINMENT ENGINEERING, INFORMATION CENTER, RADIOCHEMICAL PLANTS, SPACE RADIOBIOLOGY
ORNL-3483 N63-21471 22-16

REFLECTION OF MODULATED HELIUM AND DEUTERIUM MOLECULAR BEAMS FROM PLATINUM SURFACE
N63-21576 22-11

SOVIET CORROSION CHEMISTRY RESEARCH
TID-17940 N63-22221 23-18

EXPERIMENTAL GAS-COOLED REACTOR FUEL ASSEMBLIES
ORNL-3478 N63-22225 23-10

RADIOACTIVE WASTE DISPOSAL, RADIATION ECOLOGY,

DOSIMETRY, AND HEALTH PHYSICS TECHNOLOGY
ORNL-3492 N63-22226 23-16

TABLES OF CLASSICAL SCATTERING INTEGRALS FOR BOHR, BORN-MAYER, AND THOMAS-FERMI POTENTIALS
ORNL-3493 N63-22227 23-23

MATERIAL SCIENCE - MATERIAL RESEARCH INFORMATION CENTER
ORNL-RMIC-1 N63-22541 23-19

AVAILABILITY OF HIGH PURITY INORGANIC SOLID STATE RESEARCH MATERIALS THROUGH INFORMATION CENTER
N63-22542 23-19

PURIFICATION OF STARTING MATERIAL FOR POTASSIUM CHLORIDE SINGLE CRYSTALS, PROBLEMS OF RECONTAMINATION & VERIFICATION OF PURITY
N63-22543 23-19

SOLID STATE STUDIES OF ISOTOPIC EFFECTS USING CHEMICALLY PURE CRYSTALS OF LITHIUM FLUORIDE & INTERMEDIATE MIXTURES OF LITHIUM ISOTOPES
N63-22544 23-19

VARIATIONS IN IRRADIATION COLORING PROPERTIES, LUMINESCENCE & LIGHT SCATTERING IN POTASSIUM CHLORIDE CRYSTALS N63-22545 23-19

OAK RIDGE LIST OF AVAILABLE AND REQUIRED MATERIALS N63-22546 23-19

ELECTRIC PROPERTIES OF LEAD SILICATE GLASS INSULATORS AFTER HIGH ENERGY ELECTRON IRRADIATION
N63-22693 23-19

SEPARATION PROCESSES FOR TRANSURANIUM ELEMENTS - CORROSION STUDIES
ORNL-3482 N63-23098 24-07

HIGH RESOLUTION MICRORADIOGRAPHY - HIGH CONTRAST RADIOGRAPHS FROM LOW CONTRAST MATERIALS
ORNL-3511 N63-23099 24-17

NUCLEAR, RADIATION, ORGANIC, ELECTRO-PHYSICAL, & WATER CHEMISTRY
ORNL-3488 N63-23567 24-07

GASOMETRIC APPARATUS FOR CHARACTERIZING SOLID-GAS REACTIONS - SODIUM FLUORIDE WITH HYDROGEN FLUORIDE AND URANIUM HEXAFLUORIDE
ORNL-3497 N63-23568 24-07

OAK RIDGE TECHNICAL ENTERPRISES CORP., TENN.
EFFECTS OF LONG TERM VACUUM ON COMMERCIAL SILICON RADIATION DETECTORS
ARL-62-416 N63-10291 01-15

OBSERVATORIUM BOSSCHA, BANDUNG /INDONESIA/.
CORRECTION OF PHOTOGRAPHIC MAGNITUDES OF STARS EMBEDDED IN NEBULOSITES AND MEASURED BY EICHNER PHOTOMETERS - BACKGROUND EFFECT CORRECTION
N63-16684 14-29

STAR TRACKING - H ALPHA LINE IN STELLAR SPECTRUM
N63-16693 14-29

PHOTOMETRIC OBSERVATIONS OF STARS AND STAR CLUSTERS N63-17345 15-05

PHOTOELECTRIC AND PHOTOGRAPHIC PHOTOMETRY OF GALACTIC CLUSTER NGC 6649 N63-17580 16-05

ODESSA ASTRONOMICAL OBSERVATORY /USSR/.
METEOR SPECTROGRAPHY N63-16645 14-05

OFFICE OF AEROSPACE RESEARCH, WASHINGTON, D.C.
STRAIN AGING EFFECTS ON CRACK PROPAGATION AND FATIGUE LIMITS IN METALS N63-20088 20-18

OFFICE OF NAVAL RESEARCH, WASHINGTON, D.C.
MATHEMATICAL METHOD FOR CALCULATING SHIP HULL FORMS OF DECREASED WAVE-MAKING RESISTANCE
ONR-438 N63-17013 15-11

MICROELECTRONIC SYSTEMS AND APPLICATIONS
ONR-14 N63-17351 15-09

MICROELECTRONICS RESEARCH SPONSORED BY OFFICE OF NAVAL RESEARCH N63-17373 15-0

MICROELECTRONICS RESEARCH PROGRAM FOR INFORMATION PROCESSING IN OFFICE OF NAVAL RESEARCH
N63-17374 15-0

RAREFIED GAS DYNAMICS - KINETIC THEORY, SOLUTIONS OF BOLTZMANN EQUATION, MOLECULAR BEAMS AND SURFACE INTERACTIONS N63-21557 22-1

RAREFIED GAS DYNAMICS - GAS FLOW
N63-21586 22-1

MULTI-DEGREE-OF-FREEDOM VEHICLE CONTROL SYSTEM - EFFECTIVE HUMAN MONITORING OF INFORMATION TO CONTROL SYSTEM N63-23266 24-1

OFFICE OF RESEARCH ANALYSES, HOLLOMAN AFB, N. MEX.
VELOCITY AND ACCELERATION PROFILES OF ROCKET SLED USING ADVANCED TRACKS
ORA-63-1 N63-13417 08-1

RADIANT HEAT TRANSFER TO SIMULATED SPACE CAPSULE IN LUNAR ENVIRONMENT SIMULATION CHAMBER
ORA-63-2 N63-13418 08-1

THEORY OF DOPPLER SHIFT, ABERRATION AND LIGHT DRA DEVELOPED FOR HETEROGENEOUS REFRACTIVE MEDIA WITH APPLICATION TO EMITTER REFLECTOR RECEIVER SYSTEMS
ORA-63-5 N63-14053 09-2

FORMULAS FOR DOPPLER SHIFT IN HETEROGENEOUS ATMOSPHERE
ORA-63-8 N63-17543 16-0

GAS DYNAMIC ASPECTS OF ENCLOSED HYPERSONIC TEST TRACK
ORA-63-9 N63-17727 16-1

GYROTHEORY - DIFFERENTIAL EQUATIONS FOR SPINNING ROTATIONAL SYMMETRIC SATELLITE ATTITUDE CONTROL
ORA-63-6 N63-19743 19-3

OHIO STATE U., COLUMBUS.
INFORMATION DISPLAY MODES FOR CONTINUOUS CONTROL OR TRACKING TASKS
AMRL-TDR-62-93 N63-10184 01-14

EFFECTS OF TASK ORGANIZATION, TRAINING TIME, AND RETENTION INTERVAL ON THE RETENTION OF SKILL
AMRL-TDR-62-107 N63-10293 01-14

INITIAL CALIBRATION AND PERFORMANCE OF THE ARL TWENTY-INCH HYPERSONIC WIND TUNNEL
ARL-62-393 N63-10409 01-1

HYPERVENTILATION IN MAN - CARBON DIOXIDE AND ACID-BASE TRANSIENTS AND RECOVERY FROM HYPERVENTILATION
SAM-62-52 N63-10433 01-16

THERMODYNAMICS AND PROPAGATION OF CARBON DIOXIDE - AIR DETONATION WAVES AT VARIOUS INITIAL PRESSURES
NASA-TN-D-1667 N63-10802 02-23

EXPLOSION LIMIT STUDIES OF NITROUS OXIDE AND NITROUS OXIDE-NITROGEN-AIR MIXTURES
ARL-62-431 N63-11007 03-26

KINETICS OF NITROUS OXIDE DECOMPOSITION AT HIGH PRESSURE AND TEMPERATURE
ARL-62-430 N63-11008 03-26

ELECTRON IMPACT STUDIES OF CARBON DIOXIDE WITH OSCILLATOR STRENGTH DETERMINATIONS
AFCRL-62-1085 N63-11012 03-07

FUNGI AS A NUTRIENT SOURCE - PROTEIN
N63-11485 03-16

DETONABILITY OF NITROUS OXIDE AT ELEVATED PRESSURE AND TEMPERATURE
ARL-62-432 N63-11538 03-26

ACCURACY OF GRAVITY COMPUTATIONS AT HIGH ELEVATION
N63-12614 06-12

STATISTICAL ANALYSIS GRAVITY ANOMALIES
N63-12658 06-12

HARMONIC ANALYSIS OF MEAN FREE-AIR GRAVITATION ANOMALIES USING LEAST SQUARES METHOD - FLATTENING VARIATIONS IN NORTHERN AND SOUTHERN HEMISPHERES
N63-12659 06-12

STUDIES OF VELOCITY PROFILE, SKIN FRICTION & HEAT-TRANSFER CHARACTERISTICS OF TRANSPIRATION-COOLED SURFACE
N63-12692 06-11

THERMAL STRESSES IN RECTANGULAR PLATES CAUSED BY SPANWISE TEMPERATURE GRADIENT
ARL-63-4 N63-14716 10-33

DIFFERENTIAL INFLUENCE OF AUGMENTED FEEDBACK ON LEARNING AND PERFORMANCE
AMRL-TDR-63-12 N63-15621 12-14

COMPRESSIBLE LAMINAR BOUNDARY LAYER UNDER ARBITRARY PRESSURE AND TEMPERATURE GRADIENTS
ASD-TDR-62-962 N63-15807 13-11

EXPERIMENTAL INVESTIGATION OF SURFACE PRESSURE AND LAMINAR BOUNDARY LAYER ON BLUNT FLAT PLATE IN HYPERSONIC FLOW
ASD-TDR-62-792, VOL. II N63-15882 13-11

FORMATION OF DETONATION WAVES BY OXYGEN-HYDROGEN FUEL MIXTURE IN VARIABLE GEOMETRY TUBES
NASA-TN-D-1983 N63-16746 14-11

EFFECT OF VARIOUS METHODS OF TASK REHEARSAL UPON RETENTION OF TIME-SHARED TASK
AMRL-TDR-63-33 N63-17585 16-14

SURFACE PRESSURE AND LAMINAR BOUNDARY LAYER ON BLUNT FLAT PLATE IN HYPERSONIC FLOW
ASD-TDR-62-792, VOL. I N63-18107 16-11

RETENTION OF TRAINING IN DISCRETE /PROCEDURAL/ AND CONTINUOUS /TRACKING/ TASKS
AMRL-TDR-63-35 N63-18264 17-14

IMAGE QUALITY OF AERIAL PHOTOGRAPHY - VISUAL PERCEPTION
N63-19249 18-23

HUMAN BEHAVIOR - VARIABLES CONTRIBUTING TO DIFFICULTY OF SEQUENTIAL DECISIONS
AMRL-TDR-63-58 N63-19507 19-14

MULTIMAN-MACHINE SIMULATOR, INFORMATION-PROCESSING AND DECISION-MAKING TASKS RESEARCH
AMRL-TDR-63-48 N63-19739 19-10

MAGNETORESISTIVE BEHAVIOR OF POLYCRYSTALLINE INDIUM PLATES IN MAGNETIC FIELDS
N63-20713 21-25

RADIATION PATTERN OF THIN-WALLED PYRAMIDAL HORN ANALYZED BY GEOMETRICAL THEORY OF DIFFRACTION
RADC-TDR-63-273 N63-20795 21-09

PROPAGATION OF SPHERICAL COMBUSTION WAVES - EFFECT OF VARIOUS DETONABLE GAS MIXTURES AND IGNITION SYSTEM ENERGY
ARL-63-101 N63-20910 21-26

MECHANICAL PROPERTY TEST METHODS FOR BRITTLE MATERIALS
ASD-TDR-63-491 N63-22391 23-17

RATE & MECHANISM OF DECOMPOSITION OF NITROUS OXIDE
ARL-63-134 N63-22590 23-07

RABBIT EYES EXPOSED TO ELECTROMAGNETIC RADIATION OF DIFFERENT SPECTRAL DISTRIBUTIONS TO COMPARE EFFECTIVENESS IN PRODUCING CHORIORETINAL BURNS
AMRL-TDR-63-71 N63-22615 23-16

OHIO STATE U. RESEARCH FOUNDATION, COLUMBUS.
ELECTRON SPECTROMETER, INCREASED RESOLUTION AND BEAM CURRENT, ELECTRON IMPACT SPECTRA
AFCRL-62-1070 N63-10562 01-15

CORRELATION DIAGRAM FOR HYDROGEN MOLECULE - OSCILLATOR STRENGTHS
AFCRL-62-1042 N63-10563 01-23

X-RAY IMAGE SYSTEM FOR NONDESTRUCTIVE TESTING OF SOLID-PROPELLANT MISSILE CASE WALLS AND WELDMENTS
WAL-TR-142.5/1-4 N63-10713 02-17

MOLECULAR ORBITALS FOR HYDROGEN BASED ON AVERAGE HAMILTONIAN AND CORRELATION ENERGY
AFCRL-62-1041 N63-10874 02-23

ELECTRON IMPACT STUDIES OF CARBON DIOXIDE WITH OSCILLATOR STRENGTH DETERMINATIONS
AFCRL-62-1085 N63-11012 03-07

PEAK-OSCILLATOR STRENGTH IN ELECTRON SPECTRUM OF NITROGEN
AFCRL-63-212 N63-13049 07-12

INTERFEROMETRIC MODULATOR FOR USE WITH FAR INFRARED GRATING MONOCHROMATOR
AFCRL-62-1008 N63-13088 07-15

LASER CRYSTALS AT SUBMILLIMETER WAVELENGTHS - OPTICAL PROPERTIES
N63-13754 08-25

SILICON, GROWN-JUNCTION, DIFFUSED-BASE TRANSISTORS WITH HIGH INPUT IMPEDANCE - USED IN COMMON COLLECTOR AMPLIFIER CIRCUIT
MRL-TDR-62-3 N63-13810 09-09

APPLICATION OF ELECTROMAGNETIC ABSORBERS FOR REDUCTION OF RADIO-FREQUENCY INTERFERENCE - SIDE-LOBE REDUCTION
RADC-TDR-63-7 N63-15098 11-08

NONDESTRUCTIVE TESTING OF GLASS FIBER-REINFORCED PLASTIC MISSILE CASES
WAL-TR-142.5/2-1 N63-15420 12-17

MEASUREMENT OF OPTICAL CONSTANTS OF MAGNESIUM OXIDE AND CALCIUM TUNGSTATE
AFCRL-63-454 N63-15826 13-25

X-RAY IMAGE SYSTEM FOR NONDESTRUCTIVE TESTING OF SOLID PROPELLANT MISSILE CASE WALLS AND WELDMENTS
WAL-TR-142.5/1-3 N63-15955 13-17

ASPECTS OF RELIABILITY UNDER CONDITIONS OF ELEVATED TEMPERATURE, CREEP, AND FATIGUE
ASD-TDR-63-267 N63-15961 13-33

SOLUTION OF INTEGRAL EQUATION FOR LUNAR SCATTERING FUNCTION - MEASURING LUNAR SCATTERING PROPERTIES WITH CONTINUOUS WAVE RADAR
N63-18051 16-20

LIQUID ABSORPTION CALORIMETER FOR LASER ENERGY
N63-18111 16-15

HORIZONTAL POLARIZATION OF GEODESIC LENS ANTENNAS FOR WIDEBAND OPERATION
N63-18185 16-23

CHARACTER OF INFRARED STELLAR BACKGROUND IRRADIANCE
N63-18194 16-29

WATER VAPOR ABSORPTION WITH HELIUM-NEON OPTICAL MASER
N63-18287 17-08

IONIZATION OF GASES BY OPTICAL MASER RADIATION
N63-18288 17-25

USE OF JUNCTION DIODE AS LOW TEMPERATURE THERMOMETER
N63-18324 17-09

COMPARISON OF RADAR BACK SCATTERING MEASUREMENTS FROM MOON-LIKE SURFACES TO LUNAR SCATTERING DATA SURFACE ROUGHNESS - DIELECTRIC CONSTANT ESTIMATES
NASA-CR-50304 N63-18395 17-08

VISIBILITY OF TARGETS PRESENTED IN TARGET-BACKGROUND COMPLEXES OF NONUNIFORM LUMINOSITY
RADC-TDR-63-184 N63-18635 17-01

TUNNEL DIODE DIPOLE ANTENNAFIER /ANTENNA AND AMPLIFIER/ - INPUT IMPEDANCE, GAIN AND NOISE MEASUREMENTS
N63-18641 17-09

DISSOLUTION AND ETCH PITS IN IRON WHISKERS IN HYDROCHLORIC CUPROUS CHLORIDE, HYDROFLUORIC FERRIC FLUORIDE, NITRIC, PICRIC, AND SULFURIC SOLUTIONS
ASD-TDR-63-473 N63-18802 18-18

IMPROVING THE PASSBAND CHARACTERISTICS OF PERIODIC INTERFEROMETRIC MODULATOR USING MULTIPLE

CORRELATION TECHNIQUES
NASA-CR-50702 N63-18861 18-09

ARC DISCHARGE DRIVEN SHOCK TUBE DEVELOPMENT - MICROWAVE RADIATION EMISSION FROM AERODYNAMIC PLASMA N63-19038 18-09

SHOCK TUBE DESIGN FOR HIGH TEMPERATURE GAS SPECTROSCOPY - ASTROPHYSICAL STUDIES
AFCRL-63-252/X N63-19317 18-24

GEODESIC LUNEBERG LENS ANTENNA - LIMITATIONS ON SIMULTANEOUS COVERAGE IMPOSED BY FEED INTERACTIONS N63-19431 19-08

MAGNETIC PROPERTIES OF CUPRON WIRE AT LOW TEMPERATURE N63-19919 19-18

MEASUREMENT OF ATMOSPHERIC ABSORPTION OF LASER RADIATION N63-19987 19-25

RADIATION PATTERN OF AN ANTENNA ARRAY IMMERSED IN DISSIPATIVE MEDIA - LOSSY DIELECTRIC OR PLASMA N63-20302 20-08

THEORY OF SHOCK TUBE HAVING ARC-HEATED DRIVER
RF-1021-18 N63-21221 21-11

RADAR ANTENNA - GEODESIC LENS WITH FLUSH-MOUNTED FEED N63-21224 21-09

ULTRAHIGH FREQUENCY CONTINUOUS WAVE REFLECTION MEASURING SYSTEM N63-21264 21-08

RECOGNITION DEVICES - APPLICATIONS, LIMITATIONS, OPERATIONS, CLASSIFICATION OF METHODS AND TYPICAL RECOGNITION TECHNIQUES N63-21447 22-09

CONTROL OF BEAM ELEVATION IN GEODESIC LENS ANTENNAS N63-22328 23-12

PICTURE REGENERATION FROM QUANTIZED DATA USING CONSTANT INTENSITY CONTOURS N63-22505 23-23

COMPUTATION OF GRAVITY VECTOR AT HIGH ALTITUDES
AFCRL-63-702 N63-23092 24-12

TRANSISTORIZED POWER AMPLIFIER AND PHASE SHIFTER
RADC-TDR-63-16 N63-23109 24-09

FARADAY EFFECT ON LINEARLY POLARIZED SATELLITE RADIO TRANSMISSIONS AS MEASURE OF IONOSPHERIC ELECTRON DENSITY
AFCRL-63-109 N63-23110 24-08

OHIO TUBERCULOSIS HOSPITAL, COLUMBUS.
HYPERVENTILATION IN MAN - CARBON DIOXIDE AND ACID-BASE TRANSIENTS AND RECOVERY FROM HYPERVENTILATION
SAM-62-52 N63-10433 01-16

OHIO U., ATHENS.
LEAK DETECTION METHODS FOR SPACE VEHICLE SEALING SYSTEMS TESTS WITH BIBLIOGRAPHY
NASA-CR-52323 N63-23808 24-17

OKAYAMA U. /JAPAN/.
CELL DIFFERENTIATION AND NUCLEIC ACIDS VIEWED FROM MATURATION OF ERYTHROBLASTS N63-18967 18-16

OKLAHOMA STATE U. RESEARCH FOUNDATION, STILLWATER.
TRANSISTORIZED MINIATURE 15-CHANNEL PULSE-TIME TELEMETRY MODULATOR N63-11585 04-08

MINIATURIZED FIFTEEN-CHANNEL TELEMETRY MODULATOR N63-11586 04-08

MINIATURE TELEMETRY TRANSMITTER FOR UPPER ATMOSPHERE RESEARCH N63-13043 07-08

IONIC CONDUCTIVITY STUDIES IN UPPER ATMOSPHERE - INSTRUMENTATION - AEROBEE ROCKET PAYLOAD DESIGN N63-13044 07-15

PHOTOCONDUCTIVITY AND CHEMISORPTION KINETICS FOR STANNIC OXIDE CRYSTALS N63-16257 13-25

WAVEFORMS FOR POLARIZED LIGHT TRANSMISSION THROUGH CONSTANT AND TIME VARYING PAIR OF BIREFRINGENT PLATES
AROD-223-7 N63-18909 18-21

OPTICAL BIREFRINGENCE ASSOCIATED WITH PROPAGATION OF A PLANE SHEAR WAVE IN A VISCOELASTIC MEDIUM
AROD-2231-8 N63-19044 18-1

MECHANICAL AND BIREFRINGENT PROPERTIES OF VISCOELASTIC MATERIALS UNDER SINUSOIDAL SHEARING STRESS
AROD-2231-9 N63-19764 19-1

POSITRON ANNIHILATION IN CONDENSED MATERIALS - PRECISE MEASUREMENTS OF LIFETIMES AND INTENSITIES AS A FUNCTION OF TEMPERATURE N63-21715 22-2

DIGITAL COMPUTER ROCKET TRAJECTORY ANALYSIS
AFCRL-63-879 N63-23417 24-2

OKLAHOMA U., NORMAN.
SEMIEMPIRICAL METHOD FOR CALCULATION OF SLATER-CONDON PARAMETERS OF ATOMS AND IONS N63-12049 05-2

MAGNETIC SUSCEPTIBILITIES OF VANADIUM-DOPED CORUNDUM CRYSTALS N63-12234 05-2

KORST TURBULENT FREE JET & CHAPMAN LAMINAR FREE-JET MIXING THEORIES AS APPLIED TO FLUID AMPLIFIERS N63-13396 08-11

HIGH SPEED FLOW OF FLUIDS THROUGH POROUS MEDIA - CAPILLARY ORIFICE FLOW MODEL, PLANAR PRESSURE WAVE INTERACTIONS, COMPUTER PROGRAM
AROD-3005-4 N63-13438 08-11

RADIANT HEAT TRANSFER IN ABSORBING, EMITTING AND SCATTERING MEDIA
ARL-63-3 N63-15102 11-1

ATOMIC EXCITATION AND RELAXATION TIME FOR HELIUM N63-17334 15-2

ELECTRIC ENERGY AND SHOCK WAVES, SHOCK TUBES AND PLASMA FLOW N63-17432 15-11

GRAIN BOUNDARY SELF-DIFFUSION IN HIGH PURITY LEAD N63-20959 21-1

BEAM DEFLECTION TECHNIQUE OF STUDYING REFRACTIVE INDEX OF PLASMA - OPTICAL PROBING OF PLASMA PRODUCED IN SHOCK TUBE
AROD-2836-1 N63-22570 23-24

HYDROSTATIC ATMOSPHERIC DENSITY - EARTHS TROPOSPHERE AND ISOPYCNIC LEVEL
ARL-1357-1 N63-22799 23-12

RADIANT HEAT TRANSFER IN ABSORBING, EMITTING AND SCATTERING MEDIA N63-23484 24-13

OLIVER MACHINERY CO., GRAND RAPIDS, MICH.
NATURE OF LUNAR SURFACE AND MAJOR STRUCTURAL FEATURES N63-21622 22-29

OPERATIONAL TEST AND EVALUATION FORCE, NORFOLK, VA.
ENVIRONMENTAL RELIABILITY TESTING OF NAVAL WEAPONS SYSTEMS N63-17268 15-17

OPTICAL COATING LAB., INC., SANTA ROSA, CALIF.
ANGLE OF INCIDENCE AND TEMPERATURE VARIATION EFFECTS ON INFRARED FILTERS N63-20488 20-23

OREGON METALLURGICAL CORP., ALBANY.
MOLYBDENUM FROM TIN REDUCTION OF MOLYBDENUM DISULFIDE IN INERT GAS ATMOSPHERE N63-18058 16-18

OREGON U., EUGENE.
ADIABATIC CONNECTION BETWEEN BLOCH BANDS IN ELECTRIC OR MAGNETIC FIELD AND FIELD-FREE BANDS N63-18975 18-23

DYNAMICS OF ELECTRONS IN BLOCH BANDS OF SOLIDS N63-23061 24-25

OSLO U., BLINDERN /NORWAY/.
OBSERVATIONS AND EXPERIMENTS REGARDING THE ORIGIN

OF THE AURORA N63-11288 03-12

SATELLITE TRACKING WITH A CAMERA - CLOUDS, FOG, MOON, AND FILM PROCESSING AS INFLUENCING FACTORS
ESD-TDR-62-336 N63-12219 05-10

RESONANCE METHOD FOR SOLVING SCATTERING PROBLEMS OF ONE-DIMENSION
ARL-63-8 N63-13177 07-23

THEORETICAL INVESTIGATION OF CLOSED STATE OF NEGATIVE HYDROGEN ION
ARL-62-458 N63-13433 08-20

BETHE-HEITLER FORMULA FOR BREMSSTRAHLUNG
ARL-62-478 N63-13434 08-20

ATMOSPHERIC OZONE VARIATIONS AND ADVECTIONS IN NORTHERN NORWAY N63-14543 10-12

EULER-CAUCHY METHOD FOR NUMERICAL INTEGRATION OF PARTIAL DIFFERENTIAL EQUATIONS
AFCRL-63-823 N63-19397 18-20

LINE SPECTRA IN AURORAL SPECTROSCOPY
AFCRL-63-854 N63-20976 21-12

STUDIES OF AURORAL LINES BY FABRY-PEROT INTERFEROMETERS - AURORAL SPECTROSCOPY
N63-20977 21-12

STATE OF POLARIZATION OF RED AND GREEN O-LINES IN POLAR AURORAE - AURORAL SPECTROSCOPY
N63-20978 21-12

LUMINOSITY CURVE OF HIGH AURORAE - AURORAL SPECTROSCOPY N63-20979 21-12

RAPID VARIATION OF CERTAIN LINES AND BANDS IN AURORAL SPECTRUM N63-20980 21-12

HYDROGEN LINE EMISSION OF AURORAL ZONE - AURORAL SPECTROSCOPY N63-20981 21-12

VELOCITY MEASUREMENT OF AURORAL RAYS BY PHOTOELECTRIC PHOTOMETER - AURORAL SPECTROSCOPY
N63-20982 21-12

MICHELSONS INTERFEROMETER AND ITS USE IN AURORAL SPECTROSCOPY IN NEAR INFRARED
N63-20983 21-12

DISCHARGE THEORY OF NIGHTGLOW EMISSION - AURORAL SPECTROSCOPY N63-20984 21-12

THEORIES OF AURORAL PRIMARY PARTICLES IN SPACE - AURORAL SPECTROSCOPY N63-20985 21-12

EXCITATION OF A1O-BANDS IN SUNLIT ATMOSPHERE AND TEMPERATURE DETERMINATIONS FROM VIBRATIONAL LEVELS
N63-20986 21-12

VLF RADIATION BURSTS DURING AURORAE AND GEO-MAGNETIC DISTURBANCES - AURORAL SPECTROSCOPY
N63-20987 21-12

PERSPECTIVES FOR GEOPHYSICAL RESEARCH IN HIGHER ATMOSPHERE - ROCKETRY N63-21078 21-12

TRANSVERSE CIRCULATION IN REAL COLD FRONT ALONG FRONTAL ZONE
AFCRL-63-732 N63-23711 24-21

OSSERVATORIO ASTROFISICO, ASIAGO /ITALY/.
SPECTROSCOPIC OBSERVATIONS OF SUPERNOVAE IN ANONYMOUS GALAXY N63-22735 23-05

SPECTROMETRY OF THETA LEONIS STAR
N63-22736 23-05

COLOR - MAGNITUDE DIAGRAMS OF GALACTIC CLUSTERS NGC 2286 AND NGC 2395 N63-22737 23-05

SPECTRUM & LIGHT-CURVE OF SUPERNOVA IN NGC 3938
N63-22739 23-05

OSSERVATORIO ASTROFISICO DI ARCETRI, FLORENCE /ITALY/.
RADIOASTRONOMY - RADIO OBSERVATION OF THE SUN

AFCRL-63-498 N63-16585 14-12

OXFORD U. /GT. BRIT./
CRYSTALLINE ELECTRIC FIELD EFFECTS ON RARE EARTH IONS WITH CONTRIBUTION FROM NEIGHBORING INDUCED MOMENTS
AFCRL-62-945 N63-13632 08-23

EFFECT OF CUBIC CRYSTAL FIELD ON ANGULAR MOMENTUM OF F-ELECTRON TERMS - APPLICATION TO MAGNETIC PROPERTIES OF RARE EARTH IONS IN CUBIC MATRIX
AFCRL-62-929 N63-13700 08-25

MAGNETIC PROPERTIES OF RARE EARTH AND TRANSITION ELEMENT IONS - ELECTRON PARAMAGNETIC & NUCLEAR MAGNETIC RESONANCE, RELAXATION & SUSCEPTIBILITY
AFCRL-63-192 N63-19411 19-01

GROWTH OF SINGLE AND POLYCRYSTALS OF RARE-EARTH METALS AND TRANSITION ELEMENTS
N63-19412 19-18

NUCLEAR MAGNETIC RESONANCE IN PARAMAGNETIC MATERIALS AND RARE EARTH METALS
N63-19413 19-23

ELECTRON PARAMAGNETIC RESONANCE IN CRYSTALS OF RARE EARTH METALS & APPLICATIONS AS MASERS
N63-19414 19-23

MICROWAVE RESONANCE INVESTIGATIONS OF MAGNETIC MATERIALS HAVING SINGLE CRYSTAL STRUCTURE - RARE EARTH METALS & TRANSITION ELEMENTS
N63-19415 19-23

MAGNETIC RELAXATION IN RARE-EARTH METAL CRYSTALS FOR MASERS N63-19416 19-23

ORIGIN OF CRYSTALLINE ELECTRIC FIELD EFFECTS ON RARE EARTH METAL IONS N63-19417 19-25

DEFECTS IN DIELECTRIC CRYSTALS OF RARE-EARTH & TRANSITION ELEMENTS N63-19418 19-25

PARAMAGNETIC SUSCEPTIBILITIES OF RARE EARTH GALLIUM AND ALUMINUM GARNETS N63-19419 19-25

LOW TEMPERATURE SPECIFIC HEATS OF YTTRIUM, ERBIUM, YTTERBIUM AND NEODYMIUM GALLIUM GARNETS
N63-19420 19-18

MAGNETIC SUSCEPTIBILITY, SPECIFIC HEAT, THERMO-CONDUCTIVITY & MAGNETIC MOMENTS OF RARE EARTH METAL COMPOUNDS N63-19421 19-23

MAGNETIC PROPERTIES OF RARE EARTH ELEMENTS - THEORIES OF MAGNETISM N63-19822 19-18

MAGNETIC PROPERTIES OF THULIUM - EFFECT OF TEMPERATURE ON STRUCTURAL STABILITY
N63-21002 21-23

CALCULATIONS OF ENERGY LEVELS OF MAGNETIC IONS IN CRYSTALLINE ELECTRIC FIELDS
AFCRL-63-360 N63-21669 22-25

CRYSTALLINE ELECTRIC FIELD EFFECTS ON RARE EARTH IONS - CONTRIBUTION OF RARE EARTH ORBITALS
AFCRL-63-361 N63-22122 22-25

P

PACIFIC MISSILE RANGE, POINT MUGU, CALIF.
REPAIR VERSUS REPLACEMENT IN EQUIPMENT MAINTENANCE AT MISSILE RANGE
PMR-TM-61-12 N63-12810 06-01

REPAIR-COST PROCESSES WITH POISSON-DISTRIBUTED FAILURE INTERVALS
PMR-TM-61-19 N63-12811 06-01

ANALYSIS OF MA-7 AND MA-8 FLIGHT RECOVERY ZONE - SPLASH POINT, RETROROCKET YAW ANGLE AND ZONE OF UNCERTAINTY
PMR-TM-63-3 N63-14958 11-20

PACIFIC MISSILE RANGE MANUAL - VOL 1, INTRODUCTION
PMR-MP-60-7 N63-15884 13-10

PACIFIC SEMICONDUCTORS, INC., LAWNDALE, CALIF.
SEMICONDUCTOR RELIABILITY IMPROVEMENT
PSI-3000-43-Q-3 N63-21391 22-18

PRODUCTION ENGINEERING RELIABILITY - COLLECTION ATTACHMENT, CONTACT METALLIZING, LEAD ATTACHMENT, AND ENCAPSULATION IMPROVEMENTS
N63-23345 24-15

PAGE COMMUNICATIONS ENGINEERS, INC., WASHINGTON, D.C.
SPACE COMMUNICATIONS TECHNIQUES - OBSERVATION OF SATELLITES BY RADAR TRACKING
PCE-R-9854A N63-15696 12-08

PARIS OBSERVATORY, MEUDON /FRANCE/.
AFTERGLOW OF NITROGEN AND NITROGEN-INERT GAS MIXTURES
AFCRL-62-1010 N63-10117 01-28

MAPS OF THE SOLAR CHROMOSPHERE WITH CATALOGS OF FLARES AND SUNSPOTS N63-14544 10-12

UNDAMPED WAVES IN COLLISIONLESS, ELECTRON PLASMA & NATURE OF STABLE, SMALL AMPLITUDE, LONGITUDINAL WAVES
AFCRL-63-259 N63-16131 13-24

MAPS OF SOLAR CHROMOSPHERE AND CATALOGS OF FLARES AND SUNSPOTS - SPECTROHELIOGRAPH ANALYSIS
N63-20070 20-28

TELESCOPE WITH CASSEGRAIN OPTICS - INFRARED SPECTRUM AND POLARIMETRY STUDIES OF SATELLITES, MOON, ASTEROIDS, AND PLANETS
AFCRL-63-864 N63-20776 21-05

PARIS U. /FRANCE/.
PROTON IRRADIATION EFFECT ON SILICON PROPERTIES AND DAMAGE DETECTION BY X-RAY DIFFRACTION
AFCRL-63-312 N63-19975 19-25

PARIS U., ORSAY /FRANCE/.
IONIZATION BY COLLISION OF RELATIVISTIC PARTICLES AND DENSITY EFFECT IN SOLIDS AND GASES
N63-23243 24-01

PRESSURE DEPENDENCE OF IONIZATION BY RELATIVISTIC ELECTRONS N63-23244 24-23

IONIZATION BY RELATIVISTIC PARTICLES IN HELIUM-HYDROGEN GAS MIXTURES WITH QUANTUM MECHANICAL EFFECTS N63-23245 24-23

STRAGGLING ENERGY LOSS BY HIGH ENERGY RELATIVISTIC ELECTRONS IN SOLIDS
N63-23246 24-25

ENERGY DEPENDENCE OF SECONDARY EMISSION MONITOR BY RELATIVISTIC ELECTRON BEAM ANALYSIS
N63-23247 24-15

DIRECT ELECTRON-POSITRON PAIR PRODUCTION BY HIGH ENERGY ELECTRONS USING IONIZATION CHAMBER
N63-23248 24-23

DENSITY EFFECT IN SOLIDS AND ENERGY LOSS BY RELATIVISTIC ELECTRONS - COLLISION AND BREMSSTRAHLUNG RADIATION N63-23249 24-25

PARKE MATHEMATICAL LABS., INC., CARLISLE, MASS.
POLARIZATION - EXPERIMENTAL OPTICS AND ELECTROMAGNETIC RADIATION THEORY
AFCRL-62-796 N63-12024 05-23

ELECTRON STRAGGLING THEORY AND CALCULATION
AFCRL-62-973 N63-13150 07-09

USES OF GEOMETRY IN THEORETICAL PHYSICS AND MATHEMATICAL ENGINEERING - GEOMETRY AS INTER-DISCIPLINARY LANGUAGE
AFCRL-63-18 N63-14499 10-23

MATHEMATICAL DESCRIPTIONS OF POLARIZATION AND RELATED PHENOMENA - PART II, QUANTUM MECHANICAL DESCRIPTION
AFCRL-63-27 N63-14536 10-23

BINARY GROUP CODES - INFORMATION THEORY
AFCRL-63-95 N63-17629 16-2

WEIGHT FACTORS OF BINARY CODE GROUPS
AFCRL-63-105 N63-17630 16-2

COVERINGS - SET THEORY, BOOLEAN ALGEBRA AND MATRI ANALYSIS SOLUTIONS
AFCRL-63-130 N63-18171 16-2

DECODING PROCEDURES FOR PRODUCTS OF BINARY GROUP CODES OF EVEN MINIMAL WEIGHT
AFCRL-63-137 N63-18357 17-0

MATHEMATICAL ANALYSIS OF PROGRESSIVE RELIABILITY FUNCTIONS - FAILURE DISTRIBUTION
AFCRL-63-163 N63-19669 19-2

PASADENA FOUNDATION FOR MEDICAL RESEARCH, CALIF.
A COMPARATIVE STUDY OF HUMAN AND RHESUS MONKEY LEUKOCYTES IN CULTURES
SAM-TDR-62-99 N63-10654 02-1

RADIOPROTECTIVE AGENTS - DEPOLYMERIZED YEAST RIBONUCLEIC ACID EFFECT ON RADIATED HUMAN CELLS IN TISSUE CULTURE
SAM-TDR-62-85 N63-13749 08-1

RADIOPROTECTIVE AGENTS - CORRELATION OF RNA CONTENT AND DEGREE OF RADIORESISTANCE OF CELLS IN VITRO - RADIOBIOLOGY
SAM-TDR-63-17 N63-15885 13-1

P. E. C. CORP., BOULDER, COLO.
ENERGY CONVERSION EFFICIENCY IMPROVEMENT IN DECOMPOSITION OF WATER BY SOLAR ENERGY
AFCRL-63-666 N63-19875 19-0

PENNSALT CHEMICALS CORP., WYNDMOOR, PA.
EXPOSURE OF WELDED METALS TO CHLORINE TRIFLUORIDE AND PERCHLORYL FLUORIDE N63-13093 07-1

PENNSYLVANIA STATE U., UNIVERSITY PARK.
DATA ACCURACIES AND WEIGHTING FACTORS AT 50-MILLIBARS N63-10575 01-2

DATA ACCURACY COMPARISON - TROPOSPHERE VERSUS STRATOSPHERE
AFCRL-62-1013 N63-10609 02-12

GENERAL INSTABILITY OF CIRCUMFERENTIALLY STIFFENED SANDWICH SHELLS SUBJECTED TO UNIFORM EXTERNAL PRESSURE N63-10700 02-3

MULTISLAB CONCEPT APPLIED TO RADIO PROPAGATION IN IONOSPHERE AND ITS LIMIT TO CONTINUOUS IONOSPHERE, POLARIZATION AND REFLECTION EQUATIONS
AFCRL-62-1079 N63-10937 02-12

INTERPRETATION OF INTERFERENCE FRINGES BY WAVE PROPAGATION
AFCRL-62-1063 N63-10938 02-12

RECOMBINATION COEFFICIENT OF THE NIGHTTIME F-LAYER N63-11324 03-12

NONLINEAR TRAVELING AND STANDING PLASMA WAVES IN HOMOGENEOUS, IONIZED COLD STREAMS
AFCRL-62-1093 N63-11456 03-12

MEASUREMENT OF ELECTRON CONTENT BY FARADAY EFFECT ON SATELLITE BEACON TRANSMITTERS LOCATED ON MAGNETIC EQUATOR N63-11607 04-12

AUTOMATIC TUNING SYSTEMS FOR ANTENNAS WITH VARYING IMPEDANCE N63-12080 05-08

CONTINUUM MECHANICAL BEHAVIOR OF ENGINEERING MATERIALS N63-12158 05-33

VERSATILE FIELD ION MICROSCOPE - APPLICATIONS TO SOLID NITROGEN COOLING & GRAIN BOUNDARIES
N63-12206 05-15

COMPUTATION OF KINETIC CONSTANTS FROM SINGLE-PULSE SHOCK TUBE DATA - SQUID PROJECT
PSU-9-P N63-12767 06-11

DIGITAL SYSTEM FOR DATA COLLECTION, REDUCTION, AND ANALYSIS N63-12906 07-20

PERTURBATION METHODS APPLIED TO REFLECTION OF RADIO WAVES FROM IONOSPHERE
AFCRL-63-215 N63-13304 07-12

RADIATION EFFECT ON DIELECTRIC AND THERMAL EXPANSION PROPERTIES OF HIGH POLYMERS
TID-16273 N63-13378 08-23

STEADY STATE IN COMPETITIVE-CONSECUTIVE GAS REACTION - CHEMICAL KINETICS
PSU-10-P N63-13919 09-07

EFFECT OF DIFFUSION ON EQUILIBRIUM ELECTRON DENSITY DISTRIBUTION IN F-REGION NEAR MAGNETIC EQUATOR
N63-14077 09-12

GENERAL DESCRIPTION OF ATMOSPHERIC REGIONS - ANALYSIS OF HETEROSPHERE, THERMOSPHERE, IONOSPHERE
AFCRL-63-289 N63-14174 09-12

LOW FREQUENCY GROUP RECORDS OF POLARIZATION, STEPPED FREQUENCY AND IONOSPHERIC REFLECTION
AFCRL-63-256 N63-14244 10-12

ELECTROMAGNETIC WAVE INTERACTION AND REFLECTION FROM PLANE IONIZED MEDIUM - ELECTRON DENSITY OSCILLATION
AFCRL-63-291 N63-14300 10-08

RECOMBINATION COEFFICIENT OF NIGHTTIME F-LAYER
N63-14323 10-12

LOW FREQUENCY SWEEP POLARIMETER FOR IONOSPHERIC SOUNDING
AFCRL-63-290 N63-14978 11-15

ROCKET INSTRUMENTATION FOR MEASUREMENT OF AC CONDUCTIVITY IN BLACK BRANT ROCKET - LONG WAVE PROPAGATION IN LOWER IONOSPHERE
AFCRL-63-447 N63-15492 12-09

IMPEDANCE CHARACTERISTICS OF CAPACITIVE IONOSPHERE ROCKET PROBE
AFCRL-63-285 N63-15724 12-12

DYNAMIC NONLINEAR ELECTROMAGNETIC WAVE PROPAGATION AND HARMONIC RADIATION IN IONOSPHERE
AFCRL-63-446 N63-15741 12-24

KINETICS OF THERMAL DECOMPOSITION OF GASEOUS TRIETHYLALUMINUM
N63-15822 13-07

SHOCK WAVE PROPAGATION IN SOLIDS - MEASUREMENT OF TIME SCALE OF UNSTEADY MOTIONS INITIATED IN METAL SPHERICAL SHELLS BY BLAST IN SHELL INTERIOR
N63-16315 13-23

ELASTIC-PLASTIC RESPONSE TO HEAT PULSE FOR AN INFINITE PLATE OF FINITE THICKNESS - NONISOTHERMAL STRESS-STRAIN RELATIONS N63-16343 14-23

ROLE OF OROGRAPHIC BARRIERS AND VERTICAL MOTION IN GENERATION AND PROPAGATION OF SHOWERS
N63-16366 14-21

REAL FLOW OVER A THREE-DIMENSIONAL BODY OF REVOLUTION AT VARIOUS ANGLES OF ATTACK
N63-16983 15-11

STRESS WAVE PROPAGATION FROM OBLIQUE IMPACT ON SURFACE OF INFINITE PLATE N63-17069 15-20

ELECTRON DENSITY PROFILE OF IONOSPHERE - COMPUTER METHODS
PSU-SR-190 N63-17624 16-12

GYRO-BEARING LUBRICANT PROPERTIES AND BEARING FAILURE DUE TO LUBRICATION DEFICIENCIES
N63-17833 16-17

FIELD ION MICROSCOPY OF IRON WHISKERS
ASD-TDR-63-138 N63-17893 16-25

ATOMIC AND MOLECULAR LINE SPECTRUM OF ORGANIC-HALIDE COMPOUNDS AND HALIDES BURNING IN ALKALI METAL VAPOR N63-18509 17-07

THERMAL RADIATION THEORY FOR FLAME PROPAGATION IN COAL DUST CLOUDS N63-18512 17-26

PHASE AND ATTENUATION CHARACTERISTICS OF VOLTAGE CONTROLLED ATTENUATOR SUITABLE FOR AUTOMATIC GAIN CONTROL
NASA-CR-50693 N63-18866 18-09

INFLUENCE OF COLLISIONS ON LOW FREQUENCY HEIGHTS OF D- AND E-LAYERS OF IONOSPHERE
AFCRL-63-653 N63-19589 19-12

WHISTLER MODE-IONIZED STREAM INTERACTIONS
AFCRL-63-482 N63-20753 21-12

ELECTRON DENSITY AND HEIGHT VARIATIONS IN F-REGION OF IONOSPHERE IN EQUATORIAL REGIONS
AFCRL-63-817 N63-20840 21-12

IONIC PRODUCTION AND RECOMBINATION OF OXYGEN, NITROGEN, AND NITRIC OXIDE AND THEIR IONS IN THE IONOSPHERE
AFCRL-63-834 N63-21170 21-12

SPHERICAL SHOCK WAVES IN SOLIDS - INFLUENCE OF CAVITY SIZE ON OUTER BOUNDARY
N63-21973 22-25

SHOCK WAVES IN SOLID CRATERS AND EFFECTS OF HIGH SPEED IMPACT OF PARTICLES ON SPACE VEHICLES
N63-21979 22-33

SOLAR RADIOFLUX ANALYSIS FOR ENTIRE SOLAR YEAR AND RELATIONSHIP TO ATMOSPHERIC TEMPERATURE
AFCRL-63-844 N63-22092 22-12

LIFT COEFFICIENT & PITCHING MOMENT ON REVOLVING ELLIPSOID WITH NORMAL OSCILLATIONS
N63-22204 23-02

SHOCK WAVE INTERACTIONS AND STRONG SHOCKS - PLANE GASEOUS INTERFACE IN ELECTROMAGNETICALLY DRIVEN SHOCK TUBE
AROD-2303-4 N63-22430 23-11

PROBE POTENTIALS OF MACH 20 TO 35 SHOCK WAVES IN AIR
AROD-2303-1 N63-22431 23-11

STABILITY OF ACRYLATE RESIN CELLULAR SHELLS - JOINT & BONDING EFFECT ON YIELD AND BUCKLING FAILURE N63-22489 23-19

SHOCK WAVE INTERACTIONS WITH STEP LAYER OF HIGH SOUND SPEED GAS FOR INCIDENT SHOCKS OF WEAK TO MODERATE STRENGTH
AROD-2303-2 N63-22974 23-11

SHOCK WAVES IN ELECTROMAGNETICALLY-DRIVEN SHOCK TUBE
AROD-2303-3 N63-22975 23-11

INTERACTION OF NEUTRAL ION STREAMS WITH MAGNETIC DIPOLE FIELD
AFCRL-63-723 N63-22985 23-24

MECHANICS OF CREEP & IMPACT FOR PLASTICS - STATIC & DYNAMIC STUDIES ON LINEAR POLYMERIC MATERIAL & HIGH STRAIN RATE BEHAVIOR OF PLASTIC MATERIALS
AROD-3263-7 N63-23056 24-19

MOLECULAR PHYSICS - ABSORPTION LINE SPECTRUM OF GASES N63-23276 24-23

QUADRUPOLE ABSORPTION LINE SPECTRUM OF MOLECULAR HYDROGEN N63-23277 24-23

COLLISION NARROWING OF SPECTRAL LINES - HYDROGEN QUADRUPOLE SPECTRUM N63-23278 24-23

SPECTRAL LINE PROFILES - BREADTH & SHAPE OF QUADRUPOLE LINES OF HYDROGEN N63-23279 24-23

ABSORPTION SPECTRUM OF GAS PHASE COMPLEXES IN HYDROGEN CHLORIDE N63-23280 24-23

PRESSURE INDUCED SHIFTS OF MOLECULAR BAND LINES OF HYDROGEN CHLORIDE N63-23281 24-23

MOLECULAR CONSTANTS OF GROUND STATE OF IODINE BY INTERFEROMETRIC MEASUREMENTS - ABSORPTION LINES
N63-23282 24-23

EFFECT OF CENTRIPETAL ACCELERATION FIELD ON TURBULENT MIXING FLOW
AROD-3227-1 N63-23435 24-11

PENNSYLVANIA U., PHILADELPHIA.
EFFECTS OF CHANGES IN BLOOD CARBON DIOXIDE ON BRAIN OXYGENATION AT 147-MM HG
SAM-TDR-62-70 N63-10322 01-16

BEHAVIOR OF ATOMIC HYDROGEN AT CORRODIBLE METAL SURFACES N63-11163 03-07

TEMPERATURE DEPENDENCE OF YIELD POINTS IN IRON N63-12129 05-18

THE TREE AS A STRATAGEM FOR INFORMATION HANDLING - COMPUTER MEMORY ORGANIZATION N63-12142 05-20

GREEN FUNCTION THEORY OF FERROMAGNETISM N63-12314 05-25

NONELASTIC STRAIN RECOVERY IN ZINC SINGLE CRYSTALS N63-12615 06-18

MECHANISM OF OXYGEN EVOLUTION AT ELECTRODES - REVERSIBLE ELECTRODES - FUEL CELL APPLICATIONS N63-14129 09-06

INVESTIGATION AND EVALUATION OF MATHEMATICAL METHODS USED IN UNIVERSAL DIGITAL OPERATIONAL FLIGHT TRAINER TOOL/UDOFTT
NAVTRADEVCEN-838-2 N63-15328 12-20

INTERPOLATION OF GREEN FUNCTION OF HEISENBERG THEORY OF FERROMAGNETISM N63-16252 13-25

CLUSTER EXPANSION FOR HEISENBERG FERROMAGNET
AD-295727 N63-16342 14-23

HIGH TEMPERATURE MAGNETOSTRICTION IN IRON N63-16981 14-25

TOPOLOGICAL TRANSFORMATION TENSORS - COMPACT GROUP BEHAVIOR AS DIFFERENTIAL OPERATORS
AROD-2056-13 N63-18724 17-20

LONG-TERM ACCELERATION AND CENTRIFUGE SIMULATION STUDIES ON HUMAN PERFORMANCE AND PHYSIOLOGY N63-19313 18-14

OGUCHI TRANSFORMATION - LOW TEMPERATURE BEHAVIOR OF FERROMAGNETISM - SPIN-WAVE TRANSFORMATION N63-19770 19-25

MECHANICAL PROPERTIES OF HETEROGENEOUS MEDIA SUCH AS REINFORCED RUBBERS AND PLASTICS, MULTIPHASE ALLOYS, AND CONCRETE N63-19897 19-23

ORTHOTROPIC PLATE THEORY UNDER STATIC LOAD CONDITIONS - SOLUTION OF GOVERNING EQUATIONS BY PERTURBATION METHOD N63-21853 22-20

MECHANICAL PROPERTIES OF FIBROUS COMPOSITE MATERIAL
NASA-CR-51169 N63-22055 22-33

APPRAISAL OF MANS CAPABILITIES AND LIMITATIONS IN SPACE EXPLORATION SYSTEMS - LIFE SUPPORT REQUIREMENTS N63-23452 24-32

PEOPLES ASTRONOMICAL OBSERVATORY, GDANSK /POLAND/.
EARTH SATELLITE OBSERVATION TECHNIQUES N63-15211 11-32

PERKIN-ELMER AND CO. G.M.B.H. BODENSEEWERKE, UBERLINGEN /W. GERMANY/.
MODE OF OPERATION OF A FLIGHT REGULATOR WITH REGARD TO THE NONLINEAR CONDUCT OF THE REGULATING MOTOR
WGL PAPER-37 N63-10033 01-22

MATHEMATICAL OPERATIONS OF FLIGHT CONTROLS - STABILITY AND CONTROL N63-20158 20-04

PFAUDLER CO., ROCHESTER, N.Y.
COATING PROCESSES FOR NIOBIUM ALLOYS
PF-62-15 N63-11919 04-17

TECHNIQUE OF APPLYING PROTECTIVE COATINGS TO NIOBIUM ALLOYS
PF-63-3 N63-14743 11-17

TECHNIQUES FOR APPLICATION OF PROTECTIVE COATINGS TO REFRACTORY METAL ALLOYS
PF-63-9 N63-22096 22-18

PFAUDLER PERMUTIT, INC., ALFRED STATION, N.Y.
THERMODYNAMIC PROPERTIES OF ZIRCONIUM OXIDE
ARL-63-170 N63-23105 24-19

PHILCO CORP., BLUE BELL, PA.
ACTIVE THIN FILM TRIODE DEVICE DEPENDENT UPON TUNNELING FOR GAIN MECHANISM
J046-3 N63-21835 22-23

THIN FILM ACTIVE DEVICES - HOT ELECTRON COLLECTORS, METAL EDGE AMPLIFIER TRIODES, AND ALUMINUM OXIDE FILMS
J046-4 N63-22976 23-25

PHILCO CORP., LANSDALE, PA.
OPERATING, STORAGE LIFE, AND ENVIRONMENTAL TESTS PERFORMED ON PILOT LINE TRANSISTORS N63-21690 22-09

PHILCO CORP., PALO ALTO, CALIF.
INTEGRATED MISSION CONTROL CENTER SYSTEMS AND PERFORMANCE REQUIREMENTS SPECIFICATION
NASA-CR-50436 N63-18255 17-32

INFORMATION FLOW PLAN FOR GROUND OPERATIONAL SUPPORT SYSTEM OF APOLLO PROJECT - LUNAR ORBIT RENDEZVOUS
NASA-CR-50424 N63-18412 17-32

GEMINI PROJECT - RENDEZVOUS SPACECRAFT MISSION PLANNING
NASA-CR-50458 N63-18413 17-32

STRUCTURAL REQUIREMENTS FOR INTEGRATED MISSION CONTROL CENTER - COMMUNICATION, DATA PROCESSING, AND SIMULATION AND CHECKOUT FACILITIES
NASA-CR-50563 N63-18487 17-10

PHILCO CORP., PHILADELPHIA, PA.
TUNING RANGE AND CONSTANT BANDWIDTH OF R. F. PRESELECTOR FILTERS DEVELOPED FOR AN/TRC-56 RADIO RECEIVER UNIT
RADC-TDR-63-221 N63-18646 17-09

MULTIPLEX TRANSMITTER ENVELOPE DETECTOR USING IDEAL DIODE
RADC-TDR-63-222 N63-19630 19-09

HIGH TEMPERATURE ROCKET NOZZLE MATERIAL - REACTION OF TANTALUM CARBIDE WITH CARBON DIOXIDE AS FUNCTION OF PRESSURE & TEMPERATURE
U-2257 N63-22278 23-02

CHEMICAL CORROSION OF ROCKET LINER MATERIALS AND PROPELLANT PERFORMANCE STUDIES
U-2276 N63-22279 23-26

PHILIPPS-UNIVERSITAT, MARBURG /W. GERMANY/.
GAS DYNAMICS - COLLISION INTEGRAL IN MOMENT EQUATIONS N63-21567 22-11

PHILLIPS PETROLEUM CO., BARTLESVILLE, OKLA.
EFFECT OF SULFUR IN JET FUEL ON TURBINE INLET GUIDE VANES - 12-HOUR METAL LOSS TESTS USING FUELS WITH AND WITHOUT CONTAMINATION AND SUPERALLOYS N63-19035 18-26

GAS TURBINE AND JET ENGINE FUEL TESTING N63-19878 19-26

JET FUEL, SEA WATER CORROSION TESTS ON TURBINE INLET VANES N63-20140 20-26

PHILLIPS PETROLEUM CO., IDAHO FALLS, IDAHO.
HYDRAULIC TESTS OF CONTROL ROD AND DRIVER FUEL FOR EXPERIMENTAL ORGANIC COOLED REACTOR
IDO-16811 N63-11847 04-17

PHASE TRANSFORMATION IN CALCINATION OF NITRATES OF ALUMINUM, STAINLESS STEEL, AND NICKEL-CHROMIUM ALLOYS
IDO-14601 N63-13200 07-23

TERIALS TESTING REACTOR - ENGINEERING TEST
ACTOR, NUCLEAR PHYSICS, INSTRUMENTATION, APPLIED
THEMATICS N63-13233 07-01

GANIC REACTOR TECHNOLOGY - COOLANTS, LOOPS,
DIOLYSIS RECLAMATION, COOLING SYSTEM
0-16830 N63-13282 07-23

GH PULSE RATE COUNTING CIRCUITRY - TUNNEL DIODE
ST DISCRIMINATOR SWITCH
0-16823 N63-13628 08-09

GH TEMPERATURE ELECTRON IRRADIATION TESTING OF
DITIVE FOR REDUCTION OF RADIATION DAMAGE TO
RPHENYL USED AS ORGANIC COOLANTS - SANTOWAX OMP
0-16839 N63-13653 08-07

EMPUMP FOR HIGH TEMPERATURE USE IN EXPERIMENTAL
GANIC COOLED REACTOR - HEAT EXCHANGER DESIGN
0-16844 N63-15197 11-17

FECT OF RADIATION AND NITRIC ACID-NITRATE SALT
LUTION ON PLASTIC AND OTHER NONMETALLIC
TERIAL
0-14598 N63-15540 12-18

PERIMENTAL ORGANIC COOLED REACTOR PROGRAM - FILM
RMATION ON REACTOR FUEL ELEMENTS
0-16845 N63-15541 12-10

ERMAL DECOMPOSITION OF ORGANIC COOLANTS -
LYPHENYLS
0-16851 N63-15542 12-07

VELOPMENT OF FLEXIBLE POLYMERS AS THERMAL
SULATION IN SOLID-PROPELLANT ROCKET ENGINES -
UDY OF EPOXY AND PHENOL RESINS
N63-15877 13-07

ANSFER FUNCTION FOR DIRECT CURRENT OPERATIONAL
PLIFIER WITH GENERALIZED EXTERNAL NETWORKS
0-16809 N63-15886 13-09

TERIALS TESTING REACTOR - ENGINEERING TEST
ACTOR
0-16857 N63-16517 14-15

FECT OF ALLOYING ELEMENTS ON DISSOLUTION RATE OF
UMINUM - SOME PASSIVATING, OTHERS CATALYTIC
0-14606 N63-16899 14-18

ERT PROJECT - REACTOR AND FACILITY REPORT
0-16890 N63-17611 16-23

SIGN OF POTENTIOMETER FOR ELECTROCHEMICAL
SEARCH
0-16852 N63-17618 16-15

DIO AND NUCLEAR ANALYTICAL CHEMISTRY
0-14605 N63-18014 16-07

GANIC COOLANTS FOR NUCLEAR REACTORS - SANTOWAX
D POLYPHENYL COOLANTS, RADIOLYTIC AND PYROLYTIC
PERIMENTS
0-16869 N63-18810 18-23

ERT REACTOR PROJECT - DESTRUCTIVE TESTING OF
UMINUM-CLAD URANIUM FUEL ELEMENTS
0-16893 N63-18811 18-23

LTZMANN EQUATION FOR ENERGY GROUPS IN SLAB
OMETRY - TRANSPORT THEORY
0-16856 N63-18833 18-20

ACTOR FUEL PROCESSING, ELECTROLYTIC DISSOLUTION,
DIOACTIVE WASTE TREATMENT & CALCINATION
0-14611 N63-19600 19-07

RFACE-ATTACHED THERMOCOUPLES DURING FORCED
NVECTION HEAT TRANSFER
0-16889 N63-20699 21-13

MP TESTING FOR USE IN NITRIC ACID-ALUMINUM OXIDE
URRY SERVICE
0-14612 N63-20722 21-17

RYLLIUM REFLECTOR DAMAGE IN MATERIALS TESTING
ACTOR - SHIM ROD BOWING, CRACKING, AND SPALLING
0-16899 N63-22760 23-23

PHYSICAL STUDIES, INC., CENTERVILLE, OHIO.
PROTON AND ELECTRON SCATTERING BY DIATOMIC OXYGEN MOLECULES
AFCRL-63-697 N63-22800 23-23

PHYSIKALISCH-METEOROLOGISCHES OBSERVATORIUM, DAVOS /SWITZERLAND/.
COMPARISON OF MEASURED AND THEORETICAL VALUES OF THE SPECTRAL INTENSITY OF ULTRAVIOLET SKY RADIATION
AFCRL-62-1115 N63-11015 03-28

DIURNAL AND ANNUAL VARIATION OF SPECTRAL INTENSITY OF ULTRAVIOLET SKY AND GLOBAL RADIATION
AFCRL-63-654 N63-17622 16-12

PIASECKI AIRCRAFT CORP., PHILADELPHIA, PA.
SPRAY GENERATION TEST OF ARMY VZ-8PA SEAGEEP AIRCRAFT
AIRCRAFT N63-22640 23-04

PICATINNY ARSENAL, DOVER, N.J.
SPECTROGRAPHIC INVESTIGATION OF TEMPERATURES IN A PLASMA JET ARC TUNNEL
PA-TM-1001 N63-10087 01-26

HEALTH HAZARDS AND TOXICITY OF PLASTICS - BIBLIOGRAPHY
PLASTEC-5 N63-10163 01-19

EFFECTS OF SPACE ENVIRONMENT ON PLASTICS - ANNOTATED BIBLIOGRAPHY
PLASTEC-12 N63-10170 01-19

KINETICS OF HIGH TEMPERATURE REACTION BETWEEN MAGNESIUM POWDER AND OXYGEN
PA-TR-3013 N63-10425 01-26

TEMPERATURE STABILIZED ORDNANCE BINARY TIMER
PA-TM-1017 N63-11610 04-15

CLOSED LOOP HEAT TRANSFER APPARATUS FOR TESTING MONOPROPELLANTS
PA-TM-1119 N63-12425 06-13

MEASUREMENT OF ADSORPTION ONTO EXPLOSIVE SURFACES USING CARBON-14
PA-TR-3008 N63-12426 06-07

EFFECTS OF AGING ON M17 PROPELLANT
PA-TR-3019 N63-12605 06-26

MODULAR PROGRAMMER FOR USE IN FUSE SYSTEMS
DW-433 N63-12784 06-17

PROBABILITIES OF OPTICAL TRANSITIONS FOR ATOMS AND DIATOMIC MOLECULES - LITERATURE SEARCH
FRL-TN-137 N63-14084 09-23

LINEAR POLYMERS CONTAINING ALUMINUM - CHELATES, STEROIDS, STABILITY
PA-TM-1060 N63-14470 10-07

MOISTURE CONTENT OF M61 IGNITER COMPOSITION THROUGH TRICHLOROETHYLENE EXTRACTION, DISTILLATION AND TITRATION BY KARL FISCHER METHOD
PA-TM-1101 N63-14647 10-26

HEAT OF FORMATION OF TRISETHYLENEDIAMINE COBALT III PERCHLORATE BY REACTION CALORIMETRY
PA-TM-1113 N63-14814 11-07

SYNTHESIS OF CARBON-14-TETRAMETHYLAMMONIUM BROMIDE
PA-TM-1167 N63-15519 12-07

THERMOGRAVIMETRIC & DIFFERENTIAL THERMAL ANALYSIS OF POTASSIUM PERCHLORATE
PA-TR-3046 N63-15622 12-07

GOVERNMENT SPECIFICATIONS AND STANDARDS FOR REINFORCED PLASTICS
PLASTEC NOTE-3 N63-15655 12-19

DIELECTRIC PROPERTIES OF COMMON HIGH EXPLOSIVES
PA-TM-1170 N63-15899 13-17

NITRATION OF 3,3,3-TRIFLUORO-1,2-EPOXYPROPANE
PA-TR-3055 N63-15950 13-07

OBTAINING SUPER-STRONG UNBREAKABLE GLASS -

BRITTLENESS AND TENSILE STRENGTH
FRL-TN-101 N63-16476 14-19

CHEMICAL REACTIONS - HYDROGEN AZIDE - HYDRAZINE SULFATE
PA-TM-1186 N63-16521 14-07

EFFECT OF STATIC & DYNAMIC LOADING & TEMPERATURE ON YIELD STRESS OF IRON AND MILD STEEL IN TENSION AND COMPRESSION - STRUCTURAL DYNAMICS
N63-16605 14-18

EXPLOSIVE DEFORMATION OF METAL BEAMS - DEFLECTION VS. TIME MEASUREMENTS OF CENTRALLY LOADED FREE AND CLAMPED BEAMS - STRUCTURAL DYNAMICS
N63-16613 14-33

HIGH LOADING RATE TENSILE TESTING MACHINE - WEAPON MATERIALS TESTING APPLICATIONS - STRUCTURAL DYNAMICS N63-16618 14-17

EFFECTS OF DIFFERENT TYPES AND INTENSITIES OF RADIATION ON HUMAN PHYSIOLOGY AND BEHAVIOR
FRL-TN-90 N63-16929 14-16

PROTON AND ALPHA PARTICLE RADIATION DAMAGE IN EXPLOSIVES - RANGE AND ENERGY RELATIONSHIP
PA-TR-3070 N63-17628 16-23

BEHAVIOR OF ACTIVE SENSOR WHEN AFFECTED BY LINEAR, CENTRIFUGAL, AND GRAVITATIONAL ACCELERATIONS - GRAVITY GRADIENT MEASUREMENTS
PA-TM-147-62 N63-18642 17-23

ANOMALOUS BALLISTIC BEHAVIOR OF PROPELLANTS UNDER HIGH PRESSURE
PA-TM-1228 N63-19345 18-26

POSSIBILITY OF ALDEHYDIC HYDROGEN BONDING BETWEEN CYCLOTETRAMETHYLENETETRANITRAMINE /HMX/ AND DIMETHYLFORMAMIDE /DMF/ - RESONANCE IN DMF
PA-TM-1217 N63-19914 19-07

NUCLEAR RADIATION EFFECT ON BARIUM TITANATE & LEAD ZIRCONIUM TITANATE - PIEZOELECTRIC CRYSTALS
PA-TR-3045 N63-19954 19-23

SELF-DECOMPOSITION OF CARBON-14 LABELLED ORGANIC COMPOUNDS - REVIEW OF LITERATURE
PA-TR-3078 N63-20394 20-07

PLASTIC MATERIALS - SPECIFICATIONS FOR DEFENSE HARDWARE
PLASTEC-6 N63-20595 20-19

POPPY PYROTECHNIC FLASH CARTRIDGE - SIZE, LIGHT INTENSITY & DURATION, AND ASSEMBLY
N63-21223 21-15

OXIDATION-RESISTANT PROTECTIVE COATINGS IN WATER-STABILIZED ELECTRIC ARC AT TEMPERATURES TO 2325-DEG C
ME-1-62 N63-21811 22-19

PYROTECHNIC CHEMICAL PUMPING OF LASERS - FUELS & OXIDIZERS TESTED IN VARIOUS COMPOSITIONS
PA-TR-3102 N63-22216 23-25

GEOMETRICAL PARAMETERS AND DYNAMIC STRENGTH OF CYLINDRICAL PRESSURE VESSELS
PA-TM-1206 N63-22394 23-34

PLASTIC & METAL MOLDS FOR SOLID PROPELLANT RESEARCH
PA-TM-1250 N63-22977 23-19

SURFACE CHEMISTRY OF CYCLOTETRAMETHYLENE-TETRA-NITRAMINE /HMX/
PA-TR-3089 N63-23115 24-07

THERMAL DEGRADATION OF TEFLON IN VACUUM AT CONSTANT TEMPERATURE AND CONSTANT HEATING
N63-23775 24-13

PISA U. /ITALY/.
IONOSPHERIC RECEIVER WITH DOUBLE COHERENT WAVE DETECTORS N63-20523 20-12

IONOSPHERIC RECEIVER FOR WEAK SIGNAL DETECTION
N63-20646 20-1

PITTSBURGH U., PA.
BIOTHERMAL STRESS EFFECTS ON CELLULAR STRUCTURE AND FUNCTION - MOUSE KIDNEY CELLS
AMRL-TDR-63-14 N63-15496 12-1

EFFECTS OF RADIUM RADIATION EXPOSURE ON HUMAN BOD AND BLOOD
SAM-TDR-63-1 N63-17434 15-1

ELECTRONIC STRUCTURE OF CRYSTALLINE MATERIALS - X-RAY DIFFRACTION MEASUREMENTS
AROD-1176-20 N63-19805 19-2

VIBRATION-ROTATION LINE STRENGTH AND WIDTH IN HYDROGEN CHLORIDE AND HYDROGEN IODIDE
AFCRL-63-667 N63-19909 19-2

AFTERGLOW ATOMIC COLLISION PROCESSES - GAS IONIZATION, ELECTRONS, METASTABLE IONS
APP-3 N63-20780 21-2

AFTERGLOW ATOMIC COLLISION PROCESSES
AROD-3187-2 N63-21444 22-2

ELECTRON-ION AND ION-ION RECOMBINATIONS
APP-4 N63-23082 24-2

PLANNING RESEARCH CORP., LOS ANGELES, CALIF.
BALLISTIC MISSILE DECOY OPTIMIZATION THROUGH DYNAMIC PROGRAMMING N63-10379 01-3

MULTISATELLITE CONTROL PROBLEM
N63-10402 01-0

MARINER R SPACECRAFT RELIABILITY MODEL
NASA-CR-51223 N63-22053 22-3

PLASMADYNE CORP., SANTA ANA, CALIF.
MAGNETOHYDRODYNAMIC SHEAR HEATING AT INTERFACE OF TWO ROTATING PLASMAS N63-10517 01-2

ELECTROTHERMAL PROPULSION PROSPECTS
ARS PAPER-2649-62 N63-11263 03-2

PLASMA PROPERTIES PERTAINING TO ARC-JETS - LIQUID PROPELLANTS
ASD-TDR-62-451 N63-11330 03-2

GAS RECOMBINATION EFFECTS ON SUPERSONIC PLASMA ARC JET NOZZLE FLOW
FR-012-844 N63-11621 04-2

HYPERTHERMAL TUNNEL DEVELOPMENT AND TRANSPORT PROPERTY MEASUREMENTS
FR081-1313 N63-12101 05-1

ANALYSIS OF FREE CONVECTION MAGNETOHYDRODYNAMIC AND ELECTROHYDRODYNAMIC ENERGY CONVERTERS
ASD-TDR-62-320 N63-16302 13-2

SATELLITE ORBITAL TRANSFER USING ARC-JET ENGINE - ELECTROTHERMAL PROPULSION SYSTEMS
N63-17185 15-2

STANDARDIZATION OF REENTRY MATERIALS TESTING
PLR-117 N63-18629 17-3

INORGANIC AND ORGANIC HIGH TEMPERATURE PLASMAJET REACTIONS - PHOSPHORUS COMPOUNDS AND HYDROCARBONS
PLR-119 N63-18630 17-2

PLESSET /E.H./ ASSOCIATES, INC., LOS ANGELES, CALIF.
UNDERGROUND EFFECTS OF NUCLEAR DETONATION - INPUT DATA FOR DESIGN OF PROTECTIVE STRUCTURES - AIR BLAST, GROUND SHOCK & ASSOCIATED GROUND MOTION
DASA-1357/1/ N63-15835 13-0

POITIERS U. /FRANCE/.
GASEOUS PHASE OF DETONATION - RELATION TO ROCKET PROPULSION
AIAA PAPER-63-227 N63-17921 16-2

VIBRATORY PHENOMENA AND INSTABILITY OF SELF-SUSTAINED DETONATIONS IN GASES - PROPAGATION VELOCITY MEASUREMENTS N63-18546 17-2

POLISH ACADEMY OF SCIENCES, WARSAW.
ZERO-ONE DIAGRAMS, FLOW DIAGRAMS AND RELAY SYSTEM FOR DIGITAL COMPUTERS
OTS-61-11303 N63-11863 04-20

USING ARTIFICIAL SATELLITES IN GEODESY TO STUDY EARTH SHAPE, GEODESIC LINE, ORBIT, AND POSITION
N63-13350 08-12

NONLINEAR SYSTEMS, VIBRATION - ABSTRACTS
N63-14749 11-33

SATELLITE PLANISPHERE AND SATELLITE OBSERVATION TECHNIQUE
N63-15209 11-32

POLITECNICO DI MILANO /ITALY/.
INSTRUMENTS FOR PRECISE PHOTOGRAMMETRY
N63-11591 04-12

SURFACE RE-EMISSION LAW IN FREE MOLECULE FLOW
N63-21575 22-24

POLITECNICO DI TORINO /ITALY/.
PLASMA ARC JET WITH ELECTROMAGNETIC STABILIZATION FOR ASTRONAUTICAL USES
N63-18919 18-27

POLYTECHNIC INST. OF BROOKLYN, N.Y.
APPLICATION OF VARIATIONAL MOTION EQUATIONS TO THE NONLINEAR VIBRATION ANALYSIS OF HOMOGENEOUS AND LAYERED PLATES AND SHELLS
AFOSR-TN-2256 N63-10417 01-33

NONLINEAR FLEXURAL VIBRATIONS OF SANDWICH PLATES
AFOSR-1310 N63-10418 01-33

ANALYSIS AND SYNTHESIS OF RC SYNCHRONOUS NETWORKS
AFOSR-2770 N63-10675 02-09

RADIATION BY A UNIFORMLY ROTATING POINT CHARGE
PIBAL-753 N63-10760 02-24

BUCKLING AND POSTBUCKLING OF CYLINDRICAL SHELLS
N63-10820 02-33

SUBSONIC SPECTRUM ANALYZER - VISUAL DISPLAY OF LOW FREQUENCY COMPONENTS
PIBMRI-1013-62 N63-10954 02-15

SUPERSONIC COMBUSTION AND MIXING OF FUELS AND OXIDIZERS
ARL-62-467 N63-11029 03-26

SUPERSONIC COMBUSTION - INVISCID FLOW FIELDS - TURBULENT MIXING
PIBAL-713 N63-11164 03-26

GRAVITATIONAL STRESSES IN A SOLID PROPELLANT GRAIN
PIBAL-660 N63-11187 03-26

FEEDBACK CONTROL SYSTEM
PIBMRI-1085-62 N63-11297 03-09

LAMINAR MIXING OF TWO PARALLEL FLOWS NEAR A SEMI-INFINITE FLAT PLATE
PIBAL-641 N63-11318 03-11

FEEDBACK DESIGN AND OPTIMAL CONTROL THEORY
PIBMRI-1095-62 N63-11320 03-09

BILINEAR PATTERN CLASSIFIERS
PIBMRI-996-62 N63-11633 04-09

DERIVATION OF NETWORK FUNCTIONS FROM PHASE FUNCTIONS
PIBMRI-1006-62 N63-11634 04-09

RESEARCH IN ELECTROMAGNETICS, PLASMA PHYSICS, SOLID STATE, MICROWAVE CIRCUITS, CONTROL SYSTEMS
R-452-22-62 N63-11687 04-01

SYMMETRICAL WAVEGUIDES - EQUIVALENT CIRCUITS AND ELECTRICAL CHARACTERISTICS UNDER ANISOTROPIC CONDITIONS
PIBMRI-1052-62 N63-11885 04-09

FREQUENCY MODULATION RECEIVER NOISE
PIBMRI-1041-62 N63-11913 04-08

DAMPED LADDERS AS COMPENSATION FOR BROADBAND AMPLIFIERS
PIBMRI-1051-62 N63-11914 04-09

DESIGN OF LINEAR PROCESS ADAPTIVE CONTROL SYSTEMS
PIBMRI-1075-62 N63-12070 05-09

COHERENT DETECTOR FOR PULSED RADARS
PIBMRI-1103-62 N63-12131 05-08

THREE-DIMENSIONAL TURBULENT BOUNDARY LAYER IN HYPERSONIC FLOW
PIBAL-773 N63-12132 05-11

ORGANIC POLYMERS AS SEMICONDUCTORS
N63-12181 05-25

RESPONSE OF AUTOMATIC PHASE CONTROL SYSTEM TO FREQUENCY MODULATED SIGNALS AND NOISE
PIBMRI-1040-62 N63-12322 05-09

SET OF MAXIMUM COMPATIBILITIES FOR INCOMPLETELY SPECIFIED SEQUENTIAL SWITCHING FUNCTION
PIBMRI-1084-62 N63-12323 05-09

SWITCHING CIRCUITS - AMBIT METHOD, BOOLEAN POLYNOMIALS AND DIODE CIRCUITS BY MATRIX ANALYSIS
PIBMRI-1043-62 N63-12642 06-09

FILTERS WITH POLES HAVING EQUAL VERTICAL SPACING
PIBMRI-1077-62 N63-12697 06-09

NEURON ACTIVITY BY PARAMAGNETIC RESONANCE
PIBMRI-1071-62 N63-12700 06-15

OPTIMIZATION OF MULTIVARIABLE SAMPLED-DATA CONTROL SYSTEMS
PIBMRI-1078-62 N63-13159 07-09

CIRCULAR CYLINDRICAL SHELL UNDER SPACE BAND LOADS BY ELASTICITY AND SHELL THEORIES
PIBAL-658 N63-13430 08-33

DC VOLTAGE IN FERRITE FILMS UNDER MICROWAVE EXCITATION - MAGNETORESISTANCE AND HALL EFFECT
PIBMRI-108-62 N63-13645 08-23

SENSITIVITY OF LOW-ORDER BANG-BANG CONTROL SYSTEMS WITH AND WITHOUT DAMPING
PIBMRI-1081-62 N63-13771 08-20

INPUT AND OUTPUT SIGNALS OF LINEAR TIME-VARYING NETWORK AND MULTIPATH IONOSPHERIC RADIO TRANSMISSION
PIBMRI-1102-62 N63-13928 09-08

PROBABILITY DISTRIBUTION AT OUTPUT OF LOGARITHMIC RECEIVER UNDER BAND-LIMITED WHITE NOISE AND SIGNAL PLUS NOISE
PIBMRI-1087-62 N63-14228 09-20

STATISTICAL THEORY OF FEEDBACK CONTROL - ADAPTIVE ASYMPTOTIC METHOD
PIBMRI-1108-62 N63-14377 10-20

FIVE REACTIVE ELEMENT THREE TERMINAL PEAKING CIRCUIT
PIBMRI-1119-63 N63-14501 10-09

SHOCK WAVE INTERACTION WITH A BURNING PROPELLANT - BURNING RATE EQUATIONS
N63-14657 10-26

MAGNETOHYDRODYNAMICS - PLASMA STABILITY IN MAGNETIC FIELDS, THERMONUCLEAR ENERGY HARNESSING
PIBMRI-1025-62 N63-14774 11-24

NETWORK OF COUPLED LINE AND COUPLED LINE FILTERS COMBINING COAXIAL LINES
PIBMRI-1048-62 N63-14850 11-08

HIGH SPEED, LOW DENSITY STAGNATION FLOW OVER BLUNT BODY
PIBAL-765 N63-15059 11-11

MICROWAVE PROBING OF ELECTRON DECAY IN GAS DISCHARGE
AFCRL-63-17 N63-15105 11-24

ERROR CORRECTING DEVICE THAT EXAMINES IMPULSE

NOISE IN DIGITAL COMMUNICATION SYSTEM
PIBMRI-1076-62 N63-15175 11-08

MATRIX ANALYSIS OF BILINEAR TRANSFORMATION - BILINEAR MATRIX DESCRIPTION AND APPLICATION TO MICROWAVE NETWORK
PIBMRI-1137-63 N63-15190 11-20

SEQUENTIAL DETECTION IN COMMUNICATIONS SYSTEM OF SHORT TRANSMISSION TIMES
PIBMRI-1128-63 N63-15437 12-08

THERMAL AND CHEMICAL EFFECTS IN FAR-WAKES
N63-15475 12-11

NONLINEAR ASPECTS OF GAS AND WAVE DYNAMICS IN SOLID PROPELLANT ROCKET ENGINES - COMBUSTION INSTABILITY
N63-15592 12-26

PONTRYAGIN PRINCIPLE AND BELLMAN PROGRAMMING - EVALUATION OF FEEDBACK DESIGN AND CONTROL SYSTEMS OPTIMIZATION
N63-15627 12-09

TRANSPIRATION COOLING OF TURBULENT BOUNDARY LAYER IN AXISYMMETRIC NOZZLE BY SECONDARY INJECTION OF HELIUM AND NITROGEN
PIBAL-772 N63-15686 12-26

THREE-DIMENSIONAL TURBULENT BOUNDARY LAYER IN HYPERSONIC FLOW - HEAT TRANSFER STUDY
ARL-63-26 N63-15709 12-11

DUAL MODE COMPENSATION CONTROL SYSTEM
PIBMRI-1104-62 N63-15818 13-07

MIXING OF LAMINAR AND TURBULENT AXIALLY SYMMETRIC COMPRESSIBLE FLOW
PIBAL-756 N63-15963 13-11

CIRCULAR CYLINDRICAL SHELLS UNDER SEGMENTAL CIRCUMFERENTIAL LINE LOAD
PIBAL-663 N63-15968 13-33

EFFECT OF SYMMETRY IN PERIODIC STRUCTURES - MICROWAVE ANTENNA
PIBMRI-1113-63 N63-16457 14-24

MICROWAVE TUBE - GENERATOR & DETECTOR INTERCHANGE IN IMPEDANCE MEASUREMENT
PIBMRI-1149-63 N63-16510 14-09

ATTITUDE CONTROL OF SATELLITES, STABILIZATION
PIBMRI-1079-62 N63-16535 14-32

MATHEMATICAL MODELS - OVERDAMPED PROCESSES IN THE TIME DOMAIN - CIRCUIT ANALYSIS FOR FEEDBACK CONTROL SYSTEMS
PIBMRI-1131-63 N63-16592 14-20

STEADY-STATE BEHAVIOR OF NONLINEAR CONTROL SYSTEM OPERATING IN LIMIT CYCLING MODE WHEN SUBJECTED TO SINUSOIDAL INPUTS
PIBMRI-1101-62 N63-16832 14-06

USE OF RINGS AS SHOCK GENERATORS IN HYPERSONIC FLOW
PIBAL-612 N63-16890 14-13

SHOCK WAVE GENERATOR - HEAT TRANSFER AND PRESSURE DISTRIBUTION - SURFACE TEMPERATURE AND REENTRY TRAJECTORY
PIBAL-437 N63-16891 14-13

AERODYNAMIC HEAT REDUCTION BY PLACING SHOCK GENERATOR AHEAD OF MAIN BODY IN HYPERSONIC AIRCRAFT
PIBAL-325 N63-16892 14-11

REDUCTION OF AERODYNAMIC HEATING TO A 15 AND 20-DEG BLUNTED CONE
PIBAL-469 N63-16943 14-11

LONG LINE EFFECT IN CAVITY RESONANCE - WAVEGUIDE
PIBMRI-1148-63 N63-16962 14-08

SURFACE WAVE PROPAGATION IN ANISOTROPIC DIELECTRIC SLABS - ELECTROMAGNETIC FIELDS OF EXCITED PLASMAS
PIBMRI-1151-63 N63-17333 15-24

MICROWAVE RESEARCH - ELECTROMAGNETISM, SOLID STA AND MATERIAL RESEARCH, MICROWAVE CIRCUITRY, NETWORK THEORY, AND ELECTRONICS
R-452.23-63 N63-17522 16-

INTEGRAL EQUATION FOR CURRENTS ON TWO INDUCTIVE STRIPS IN WAVEGUIDE - QUASI-STATIC APPROXIMATION FOR REACTANCE
PIBMRI-1158-63 N63-17688 16-

HIGH SPEED, LOW DENSITY FLOW NEAR STAGNATION POI OF BLUNT BODY - HYPERSONIC AERODYNAMIC HEAT TRANSFER
ARL-63-75 N63-17946 16-

BROADBAND VARACTOR PARAMETRIC AMPLIFIER - TRANSDUCER POWER GAIN, SINGLE & MULTIPLE VARACTO AMPLIFIER
PIBMRI-109-62 N63-18252 17-

SYNTHESIS OF TWO TERMINAL CONTACT-DIODE NETWORKS
PIBMRI-1144-63 N63-18299 17-

ABLATION OF A CYLINDRICAL CAVITY IN AN INFINITE SOLID
PIBAL-662 N63-19007 18-

MIXING PROBLEMS WITH CHEMICAL REACTIONS - TURBULENT JETS OF AIR AND HYDROGEN MIXING AT SUPERSONIC SPEED
ARL-63-109 N63-19124 18-

STOCHASTIC LINEAR EQUIVALENTS OF CLOSED LOOP SYSTEMS
PIBMRI-1167-63 N63-19151 18-

SECONDARY STATE ASSIGNMENT FOR SEQUENTIAL MACHINE
PIBMRI-1174-63 N63-19504 19-

MATRIX ANALYSIS - CANONICAL FORM OF TANDEM-COUPLE FOUR-PORTS
PIBMRI-1092-62 N63-19972 19-

HEAT TRANSFER EFFECTS OF UPSTREAM PROBES OF TANGENT OGIVE BODY OF REVOLUTION
AFOSR-TN-59-1167 N63-19999 19-1

GENERATION, SHAPING, & CONTROL OF HIGH-POWER ELECTRIC PULSES BY ELECTROMECHANICAL PULSERS AND PLASMA SWITCHES
PIBMRI-1154-63 N63-20418 20-

TEMPERATURE DISTRIBUTION IN EXTERIOR REGION OF SPHERICAL CAVITY WITH CONSTANT SURFACE TEMPERATUR
PIBAL-665 N63-20475 20-1

LAMINAR, TRANSITIONAL, AND TURBULENT HEAT TRANSFE AFTER A SHARP DISCONTINUITY
PIBAL-771 N63-20594 20-1

DESIGN OF MICROWAVE BROADBAND EQUALIZERS COMPOSED OF CASCADED TRANSMISSION LINES
PIBMRI-1018-62 N63-20961 21-0

SCATTERING RESONANCE ON FAST-WAVE STRUCTURE
PIBMRI-1156-63 N63-21052 21-2

THEORY FOR BROADBAND TUNNEL DIODE AMPLIFIERS
RADC-TDR-62-191 N63-21225 21-0

DISTRIBUTED CONSTANTS OF MULTIWIRE TRANSMISSION LINES & NETWORK SYNTHESIS
PIBMRI-991-62 N63-21243 21-0

HYPERSONIC RING SHOCK GENERATORS - HEAT TRANSFER, PRESSURE DISTRIBUTION, & LIFT-DRAG RATIO
PIBAL-460 N63-21374 22-1

SYNCHRONOUS & ASYNCHRONOUS SEQUENTIAL SWITCHING CIRCUITS
PIBMRI-1090-62 N63-21383 22-0

PATTERN RECOGNITION AND DETECTION BY MACHINE
PIBMRI-1130-63 N63-21404 22-2

LOAD TEST OF ORTHOTROPIC CYLINDRICAL SHELLS UNDER RADIAL PRESSURES TO COLLAPSE
PIBAL-668 N63-22027 22-3

CREEP OF ANNULAR PLATES UNDER RADIALLY SYMMETRIC LOADS
PIBAL-669 N63-22086 22-11

ANALYSIS AND SYNTHESIS OF ARBITRARILY TERMINATED TAPERED TRANSMISSION LINES
RADC-TDR-63-394 N63-22131 22-09

MEASUREMENT OF ELECTRON DENSITY PROFILE OF PLASMA THAT VARIES IN ONE DIMENSION BASED ON MICROWAVE SIGNAL REFLECTION FROM PLASMA
AFCRL-62-895 N63-22135 22-24

GYROSCOPE DAMPING FOR GEOCENTRIC ATTITUDE CONTROL
PIBMRI-1147-63 N63-22324 23-04

ABLATION CHARACTERISTICS OF THICK WALLED SPHERICAL SHELL CONSIDERING RADIAL HEAT FLOW
PIBAL-670 N63-22447 23-13

SYNTHESIS OF RESISTOR N-PORTS
PIBMRI-1143-63 N63-22867 23-09

ELECTROMAGNETIC FIELD AND QUANTUM MECHANICAL STATE MEASUREMENTS WITH FOURIER TRANSFORM
N63-22941 23-09

LEAKY WAVE RADIATION FROM PERIODICALLY SLOTTED WAVEGUIDE
PIBMRI-1151-63/A N63-22984 23-09

HYPERSONIC COMPRESSOR BLADE DESIGN AND STUDY OF HYPERSONIC CASCADE TUNNEL WITH 120-DEG TURNING PASSAGES
ARL-63-168 N63-22990 23-03

AXISYMMETRIC HETEROGENEOUS MIXED FLOW
PIBAL-787 N63-23183 24-11

CREEP DEFORMATIONS IN MEMBRANE SHELLS - GOVERNING EQUATIONS & PROCEDURE FOR SOLUTION
PIBAL-672 N63-23428 24-33

VORTICITY EFFECT ON HEAT TRANSFER TO CONICAL PORTION OF BLUNT BODY
PIBAL-797 N63-23510 24-13

HYDROMAGNETIC WAVE PROPAGATION IN CONSTANT DIPOLE MAGNETIC FIELD
PIBMRI-1175-63 N63-23578 24-09

PHOTOCHEMICAL AND SPECTRAL PROPERTIES OF CHLOROPHYLLIN
AFCRL-63-800 N63-23644 24-07

POLYTECHNIC INST. OF BROOKLYN, FREEPORT, N.Y.
ELECTROMAGNETIC PROPERTIES OF IONIZED GAS INDUCED BY SHOCK WAVE IN SHOCK TUBE CONTAINING ARGON
RADC-TDR-63-267 N63-22066 22-24

PORTSMOUTH NAVAL SHIPYARD, N.H.
AUTOMATIC MECHANICAL IMPEDANCE MEASURING INSTRUMENTATION SYSTEM N63-16087 13-15

PRATT AND WHITNEY AIRCRAFT, EAST HARTFORD, CONN.
EMITTANCE OF MATERIALS SUITABLE FOR USE AS SPACECRAFT RADIATOR COATINGS
ARS PAPER-2538-62 N63-10264 01-06

TITANIUM ROCKET MOTOR CASE
PWA-2087 N63-11439 03-27

SPACE POWER SYSTEMS - EMISSIVITY OF CANDIDATE MATERIALS FOR SNAP-8 POWERPLANT
PWA-2088 N63-11697 04-19

TITANIUM ROCKET MOTOR CASE DEVELOPMENT
PWA-2106 N63-11988 05-27

EFFECT OF SHOCK-INDUCED DYNAMIC PRESSURES ON IRON-BASE ALLOYS
ASD-TDR-62-442 N63-16116 13-18

LABORATORY, TEST RIG, STATIONARY ENGINE, AND FLIGHT ENGINE TEST METHODS FOR EVALUATING TURBINE ENGINE LUBRICANTS N63-17849 16-17

TITANIUM ALLOYS FOR SOLID FUEL ROCKET MOTOR CASES
PWA-2156 N63-18144 16-17

EMISSION SPECTRUM MEASUREMENTS OF REFRACTORY COATING MATERIALS
NASA-CR-50487 N63-18320 17-17

KINETICS IN HYDROGEN AIR FLOW SYSTEMS - CALCULATION OF AUTOIGNITION DELAYS FOR HYPERSONIC RAMJETS N63-18522 17-07

KINETICS OF HYDROGEN AIR FLOW SYSTEM - CALCULATION OF EXHAUST NOZZLE FLOW FOR RAMJETS
N63-18523 17-11

STRUCTURAL MATERIALS FOR MAGNETOHYDRODYNAMIC GENERATORS - REFRACTORY CONDUCTORS AND INSULATORS
PWA-2125 N63-19442 19-24

MAGNETOHYDRODYNAMIC POWER GENERATION - PLASMA CONDUCTIVITY STUDIES
PWA-2133 N63-21244 21-24

MAGNETOHYDRODYNAMIC POWER GENERATION
PWA-2170 N63-21245 21-24

MAGNETOHYDRODYNAMIC POWER GENERATORS
N63-21287 21-24

MAGNETOHYDRODYNAMIC POWER GENERATOR PRELIMINARY DESIGN - DC POWER
RADC-TDR-62-464, VOL. VI N63-21288 21-24

HYDROGEN-OXYGEN FUEL CELL POWERPLANT - DESIGN, FABRICATION, TEST RESULTS
NASA-CR-51544 N63-22142 22-06

HIGH POWER SHORT DURATION MAGNETOHYDRODYNAMIC POWERPLANTS N63-22290 23-06

DETERMINATION OF EMISSIVITY OF MATERIALS
NASA-CR-51858 N63-22882 23-18

HIGH-STRENGTH, LIGHTWEIGHT, TITANIUM ALLOY SOLID FUEL ROCKET MOTOR CASE
WAL-TR-766.2/1-10 N63-23003 24-18

PRATT AND WHITNEY AIRCRAFT, MIDDLETOWN, CONN.
WORK HARDENING MECHANISMS IN BODY CENTERED CUBIC METALS
ASD-TDR-62-354 N63-12284 05-18

THERMAL DECOMPOSITION OF URANIUM MONOCARBIDE BY VAPOR PRESSURE TEST
PWAC-378 N63-13092 07-07

PHYSICAL PROPERTIES OF ALKALI METALS - ADAPTATION FOR USE IN HIGH TEMPERATURE HEAT TRANSFER LIQUID METAL COOLED REACTORS N63-15003 11-13

THERMAL EMISSION SOURCE AND MASS SPECTROMETER - UTILIZATION FOR MEASUREMENT OF URANIUM ISOTOPE ABUNDANCES AND REACTOR FUEL BURNUP
PWAC-393 N63-16167 13-07

WORK HARDENING MECHANICS AND DEFORMATION OF BODY-CENTERED-CUBIC METALS - NIOBIUM AND TUNGSTEN
ASD-TDR-62-354, PT. II N63-17672 16-18

GAMMA RADIATION FLUX FROM DISTRIBUTED SURFACE SOURCE - DERIVING GEOMETRICAL ATTENUATION FACTORS
PWAC-397 N63-21667 22-23

PRINCETON-PENNSYLVANIA ACCELERATOR, PRINCETON, N.J.
DESIGN OF MAGNETIC SYSTEMS FOR SECONDARY BEAMS IN ACCELERATORS
PPAD-459-F N63-12459 06-23

PRINCETON U., N.J.
DYNAMIC STABILITY AND CONTROL RESPONSE DESIRED FOR V/STOL AIRCRAFT N63-10198 01-04

STATISTICS OF ELECTRIC FIELD IN SHEET-PLASMA - COULOMB FORCES
MATT-144 N63-10317 01-24

LECTURES ON FUSION POWER - PLASMA CONFINEMENT
MATT-145 N63-10319 01-24

USE OF MAGNETICALLY COMPRESSED PLASMA IN A STELLARATOR
MATT-133 N63-10361 01-24

FLOW ABOUT THE LEADING EDGE OF A SWEPT BLUNT PLATE AT HYPERSONIC SPEEDS
ARL-62-405 N63-10753 02-02

SPECTRAL LINE IDENTIFICATION ON A COMPUTER
MATT-90 N63-10783 02-20

DETECTION OF CAVITATION NOISE IN A PIPELINE BY AN ACCELEROMETER
MATT-142 N63-10784 02-23

PLASMA PHYSICS - STELLARATOR, AFTERGLOW, OHMIC HEATING
MATT-Q-19 N63-11347 03-24

EFFECT OF HELICOPTER DYNAMICS ON PILOT PERFORMANCE OF STEEP DESCENT INSTRUMENT APPROACHES IN TURBULENCE
AERONAUTICAL ENG. REPT.-600 N63-11445 03-04

DIELECTRIC FUNCTION FOR CLASSICAL MANY-BODY SYSTEMS - LIOUVILLE THEOREM
MATT-134 N63-11704 04-24

LANGMUIR PROBE FOR STELLARATOR PLASMA RESEARCH
MATT-139 N63-11705 04-24

PLASMA INSTABILITIES IN ONE-DIMENSIONAL PLASMAS
MATT-152 N63-11706 04-24

LOW CYCLE TENSILE FATIGUE TESTS OF 305 STAINLESS STEEL
MATT-154 N63-11707 04-33

TRANSVERSE MAGNETIC FIELD EFFECT ON EQUILIBRIUM OF CURRENT CARRYING TOROIDAL PLASMA
MATT-155 N63-11708 04-24

BOUNDARY LAYER FLOW WITH SUSPENDED PARTICLES UPSTREAM OF LEADING EDGE OF PLATE
AERONAUTICAL ENG. REPT.-620 N63-11957 05-11

BOUNDARY LAYER TRANSITION ON FLAT PLATE WITH POINT HEAT SOURCE AT LEADING EDGE
AERONAUTICAL ENG. REPT.-623 N63-11958 05-11

HYDROGEN BONDING RELATED TO VISCOELASTICITY OF AMORPHOUS POLYMER NETWORKS - MODULUS TEMPERATURE RELATIONSHIPS OF METHACRYLATES
ONR-TR-RLT-55 N63-11962 05-07

CALORIMETRIC PROBE SENSITIVITY ANALYSIS
AERONAUTICAL ENG. REPT.-633 N63-11978 05-15

PLANE POISEUILLE FLOW OF RAREFIED GASES IN TWO-DIMENSIONAL CHANNELS
AERONAUTICAL ENG. REPT.-619 N63-12098 05-11

DETERMINATION OF DIFFUSIVITY AND SOLUBILITY IN TWO PHASE SYSTEMS - LITHIUM NITRATE
MATT-148 N63-12102 05-07

VISCOELASTIC PROPERTIES OF PRESWOLLEN POLYMERS IN THE TRANSITION REGION
ONR-TR-RLT-56 N63-12662 06-19

RUBBER ELASTICITY OF PRESWOLLEN POLYMER NETWORKS BY TORSION TESTS
ONR-TR-RLT-57 N63-12756 06-07

ABSORPTION OF ELECTROMAGNETIC WAVES IN QUANTUM AND CLASSICAL PLASMAS
MATT-159 N63-12791 06-24

INVESTIGATION BY KINETIC DESCRIPTION OF ELECTRO-MAGNETIC ABSORPTION COEFFICIENT IN QUANTUM PLASMA IN MAGNETIC FIELD
MATT-163 N63-12792 06-24

RUNAWAY DOMINATED STELLARATOR DISCHARGES
MATT-164 N63-12793 06-24

ELECTROSTATIC PROBE IN SLIGHTY IONIZED GAS BY ASYMPTOTIC ANALYSIS
MATT-153 N63-12803 06-24

VISCOELASTICITY OF AMORPHOUS AND CRYSTALLINE POLYMERS - MODULUS-TEMPERATURE RELATIONSHIPS, CROSS-LINKING
ONR-TR-RLT-58 N63-13205 07-11

HIGH-FREQUENCY PLASMA CONDUCTIVITY IN A MAGNETIC FIELD - MAGNETOHYDRODYNAMICS
MATT-166 N63-13488 08-24

THERMOELECTRIC POWER OF FULLY IONIZED LOW TEMPERATURE PLASMA - SEEBECK COEFFICIENT OF ALKALI METAL PLASMAS
MATT-174 N63-13489 08-24

CONVERGENT CLASSICAL KINETIC EQUATION FOR PLASMA
MATT-158 N63-13504 08-24

MODEL C STELLARATOR, SMALL DEVICE RESEARCH, THEORETICAL PLASMA PHYSICS
MATT-Q-20 N63-14040 09-24

EFFECTS OF OSCILLATING PRESSURE FIELD ON SOLID PROPELLANT COMBUSTION AND MEASUREMENT OF RESULTING ENTROPY WAVES
AERONAUTICAL ENG. REPT.-635A N63-14098 09-26

DETAILED PRESSURE DISTRIBUTION AND HEAT TRANSFER RESULTS ABOUT A CIRCULAR CYLINDER AT ZERO ANGLE OF ATTACK WITH VARIOUS NOSE SHAPES
ARL-63-14 N63-14175 09-02

SOLID PROPELLANT COMBUSTION MECHANISM STUDIES
AERONAUTICAL ENG. REPT.-446N N63-14243 10-26

ENERGY EXCHANGE IN SHOCK AND DETONATION WAVE
N63-14874 11-11

COMPUTER PROGRAM OF PLASMA STABILITY WITH ONE-DIMENSIONAL FLOW TRAJECTORY
MATT-151 N63-14997 11-24

TIME DEPENDENCY OF VARIATION OF NEUTRAL PARTICLE DENSITY IN MODEL C-STELLARATOR DISCHARGES
MATT-161 N63-14998 11-24

TWO-PARTICLE CORRELATION FUNCTION FOR UNSTABLE PLASMA
MATT-175 N63-14999 11-24

EFFECT OF ELECTRICAL RESISTIVITY, VISCOSITY, AND THERMOCONDUCTIVITY ON HYDROMAGNETIC STABILITY
MATT-143 N63-15025 11-24

EQUILIBRIUM OF CURRENT CARRYING TOROIDAL PLASMA - EXPERIMENT WITH MODEL C-STELLARATOR
MATT-165 N63-15028 11-24

PROFILE OF SHOCK WAVE FRONT IN ARGON AND NITROGEN
N63-15334 12-11

INSTABILITY OF PROPELLANT COMBUSTION - FLAME ZONE-OSCILLATING PRESSURE FIELD INTERACTION PRODUCING ENTROPY WAVES
N63-15407 12-26

DECREASE OF PLASMA LOSS IN STELLARATOR RESULTING FROM PROBE-IMPOSED RADIAL ELECTRIC FIELD
MATT-157 N63-15476 12-24

CESIUM PLASMA GENERATOR - IONIZATION OF CESIUM ON HOT-TUNGSTEN PLATE
MATT-168 N63-15477 12-24

EFFECT OF ELECTRICAL RESISTIVITY ON HYDROMAGNETIC INSTABILITIES IN MULTIPOLAR SYSTEM
MATT-170 N63-15478 12-24

HIGH INTENSITY MOLECULAR BEAM APPARATUS - SQUID PROJECT
PR-103-P N63-15520 12-11

INFLUENCE OF HYDROGEN BOND ON VISCOELASTIC PROPERTIES OF METHACRYLATE POLYMERS - TEMPERATURE - MODULUS STUDIES
N63-15611 12-07

MILLIMETER SINGLE SIDE-BAND GENERATOR
MATT-167 N63-15747 12-25

QUASI-LINEAR THEORY OF PLASMA OSCILLATIONS
MATT-169 N63-16180 13-24

EQUILIBRIUM OF ARGON PLASMA IN ATMOSPHERIC

PRESSURE ARC-JET
AERONAUTICAL ENG. REPT.-645 N63-16272 13-11

MONOCHROMATOR WAVELENGTH MODULATOR
MATT-162 N63-16468 14-15

VISCOELASTICITY OF GALEX ORGANIC GLASS - SHEAR COMPLIANCE TEST RESULTS - TRANSITION TEMPERATURE
ONR-TR-RLT-59 N63-16553 14-19

EFFECT OF HELICAL FIELD ON PLASMA CONFINEMENT IN MODEL C STELLARATOR
MATT-171 N63-16958 14-24

LAMINAR FIBER OPTICS FOR ULTRAVIOLET SPECTRUM - SURFACE COATING
MATT-187 N63-16959 14-24

KINETIC APPROACH TO CALCULATION OF FREQUENCY DEPENDENT CONDUCTIVITY AND RELAXATION TIME FOR ELECTRON-PHONON INTERACTIONS
MATT-188 N63-16960 14-25

SYMMETRIZATION OF MODEL C STELLARATOR BY CALCULATING EFFECT OF COIL DISPLACEMENT ON PLASMA FLUX CLOSURE
MATT-192 N63-17398 15-24

ABSOLUTE RADIATION INTENSITIES IN VACUUM ULTRAVIOLET REGION
MATT-186 N63-17444 15-15

EQUILIBRIUM OF CURRENT CARRYING TOROIDAL PLASMA - VIRIAL THEOREM
MATT-191 N63-17481 16-24

HIGH INTENSITY MOLECULAR BEAMS USING SUPERSONIC FLOW - SQUID PROJECT
PR-104-P N63-17512 16-11

FLOW OF WEAKLY IONIZED GASES
AFOSR-4662 N63-17535 16-11

COMPRESSIBLE FLOW THROUGH A CONVERGENT-DIVERGENT NOZZLE
PR-105-P N63-17539 16-11

MULTIPOLAR CUSP MAGNETIC FIELD AND APPLICATION TO CONFINEMENT AND ADIABATIC COMPRESSION OF PLASMA
MATT-185 N63-17553 16-24

STRUCTURAL ANALYSIS OF PLASMOIDS GENERATED BY ELECTRODELESS PLASMA GUN
MATT-196 N63-17590 16-24

EFFECTS OF ROTATION ON STABILITY OF LAMINAR BOUNDARY LAYERS AROUND CURVED WALLS
FLD-9 N63-17679 16-11

LAMINAR HYPERSONIC FLOWS - PRESSURE MEASUREMENT
ARL-63-73 N63-17775 16-11

INFRARED EMISSION STUDIES OF VIBRATIONAL RELAXATION IN SIMPLE MOLECULES
N63-17891 16-11

PRESSURE GRADIENT AND HEAT TRANSFER OVER CIRCULAR CYLINDER AT HYPERSONIC SPEED
ARL-63-81 N63-18019 16-03

HEAT TRANSFER FROM IONIZED GAS TO GASEOUS COOLANT
AERONAUTICAL ENG. REPT.-651 N63-18228 17-13

SEPARATION OF HYPERSONIC BOUNDARY LAYER OF A FLAT PLATE
ARL-63-74 N63-18250 17-11

STRUCTURE OF DETONATION WAVES IN HYDROGEN-OXYGEN-ARGON MIXTURES - OPTICAL REFLECTIVITY STUDIES
N63-18547 17-26

LANDAU DAMPING OF ACOUSTIC VIBRATIONS IN PLASMAS - CESIUM AND POTASSIUM PLASMAS
MATT-177 N63-18741 17-24

EFFECT OF LONG WAVE RADIATION INSTABILITY ON REFLEX ARC STABILITY
MATT-198 N63-18743 17-24

VISCOELASTICITY AND IMPACT SENSITIVITY OF BISPHENOL-A POLYCARBONATES
ONR-TR-RLT-60 N63-19181 18-07

VISCOELASTIC PROPERTIES OF PLASTICIZED POLYVINYL CHLORIDE - STRESS RELAXATION CURVES, PLASTICIZER CONCENTRATION AND POLYMER STRUCTURE
ONR-TR-RLT-62 N63-19323 18-19

LEAST SQUARES MATRIX ANALYSIS & FORTRAN PROGRAM FOR CRYSTAL STRUCTURES
AROD-3083-5 N63-19547 19-25

MASTER CURVES AND VISCOELASTIC BEHAVIOR OF AMORPHOUS POLYMERS IN STRESS RELAXATION
ONR-TR-RLT-61 N63-19766 19-07

STRESS RELAXATION OF MONODISPERSE AND POLYDISPERSE POLYSTYRENE - SHEAR VISCOSITY AND SHEAR ELASTICITY
ONR-TR-RLT-63 N63-19823 19-19

HEAT TRANSFER FROM HEATED DUCT TO OSCILLATING FLOW
AERONAUTICAL ENG. REPT.-483D N63-19847 19-13

SPHERICAL ELECTROSTATIC PROBES IN A SLIGHTLY IONIZED, COLLISION-DOMINATED GAS
MATT-180 N63-19899 19-24

HYDRODYNAMIC EQUATION DERIVATIONS FOR SYSTEM OF COULOMB INTERACTIONS
MATT-190 N63-19900 19-24

TRANSPORT THEORY OF FULLY IONIZED POTASSIUM PLASMA - THERMOCONDUCTIVITY, POTENTIAL GRADIENT & STABILITY
MATT-204 N63-19910 19-24

RADIATION LOSS FROM PARTLY-IONIZED, COLLISION-DOMINATED ARGON ARCJET
AERONAUTICAL ENG. REPT.-658 N63-20709 21-24

SPECTROSCOPIC OBSERVATIONS OF FULLY IONIZED BARIUM PLASMA
MATT-206 N63-20988 21-24

RELAXATION TIME OF POLYETHYLENE DISULFIDE AND POLYETHYLENE TETRASULFIDE
ONR-TR-RLT-65 N63-21024 21-07

HIGH FREQUENCY CONDUCTIVITY OF DEGENERATE SEMICONDUCTORS
MATT-189 N63-21158 21-24

INTERPRETATION OF OBSERVED IMPURITY RADIATION IN DISCHARGE OF THE C-STELLARATOR
MATT-194 N63-21188 21-24

COMPOSITION PRODUCT SIMULATOR - PLASMA PHYSICS
MATT-199 N63-21213 21-24

HEAT TRANSFER IN RAREFIED GAS BETWEEN PARALLEL PLATES AT LARGE TEMPERATURE RATIOS
N63-21568 22-11

MOLECULAR BEAMS FROM NOZZLE SOURCES
N63-21584 22-11

RAREFIED GAS DYNAMICS - NOZZLES OF VARYING LENGTHS AND ANGLES OF DIVERGENCE STUDIED IN LOW DENSITY WIND TUNNEL N63-21610 22-02

LAMINAR HEAT TRANSFER FROM OSCILLATING FLAT PLATE
AFOSR-4906 N63-21710 22-13

SOLID PROPELLANT IGNITION - GAS & SOLID PHASE REACTIONS, & HETEROGENEOUS REACTIONS AT GAS-SOLID INTERFACE
AERONAUTICAL ENG. REPT.-661 N63-21713 22-26

COMPRESSIBLE FLOW OF AIR-WATER MIXTURE THROUGH VERTICAL, TWO-DIMENSIONAL CONVERGING-DIVERGING NOZZLE
FLD-10 N63-21813 22-11

ROBAN COMPUTER MONITOR SYSTEM FOR CRYSTALLOGRAPHIC DATA
AROD-3083-6 N63-21851 22-06

NEW PATH FROM PATTERSON MAP TO ELECTRON DENSITY

MAP - VECTOR VERIFICATION
AROD-3083-7 N63-21852 22-25

DYNAMIC RESPONSE OF TRANSIENT PRESSURE TRANSDUCERS FOR LIQUID PROPELLANT ROCKET COMBUSTION CHAMBERS
NASA-CR-51516 N63-21974 22-27

STRUCTURE OF A LARGE RADIUS PLASMA PINCH DISCHARGE FOR ACCELERATION OF GAS FOR PROPULSION
N63-22020 22-24

TRANSIENT PRESSURE MEASURING METHODS APPLIED TO LIQUID PROPELLANT ROCKET COMBUSTION CHAMBERS
NASA-CR-51515 N63-22047 22-11

RESONANT MODES OF GAS PRESSURE OSCILLATIONS IN SINUSOIDAL PRESSURE GENERATOR WITH FLAT CYLINDRICAL CHAMBER
NASA-CR-51517 N63-22048 22-11

ACQUISITION, REDUCTION & ANALYSIS OF TURBULENCE DATA FOR AIRCRAFT APPROACHES TO CARRIER LANDINGS
AERONAUTICAL ENG. REPT.-653 N63-22231 23-04

STELLARATOR PARTICLE CONFINEMENT AND POWER BALANCE
MATT-205 N63-22323 23-24

FAST-ION GAUGE FOR MEASURING NEUTRAL GAS DENSITY NEAR MAGNETICALLY CONFINED PLASMA - SHIELD AND MODERATOR GRIDS
MATT-203 N63-22997 23-24

MAXIMUM RELAXATION TIMES IN POLYTETRAFLUOROETHYLENE
ONR-TR-RLT-64 N63-23081 24-19

CONSERVATION LAW FOR EXISTENCE OF UNSTABLE ELECTROSTATIC OSCILLATIONS IN A VLASOV PLASMA
MATT-210 N63-23090 24-24

EFFECT OF TRANSVERSE MAGNETIC FIELD ON MAGNETIC SURFACES IN STELLARATOR WITH HELICAL WINDINGS
MATT-197 N63-23094 24-24

DOPPLER TEMPERATURES IN THE C STELLARATOR - KINETIC TEMPERATURE OF IMPURITY IONS IN HYDROGEN DISCHARGE
MATT-200 N63-23095 24-24

KINETIC EQUATIONS FOR ELECTRONS AND PHONONS IN SIMPLIFIED MODEL OF METAL
MATT-182 N63-23156 24-25

MANS UTILITY IN MILITARY SPACE MISSIONS
N63-23233 24-30

INCREASED HEAT TRANSFER BETWEEN DUCT WALL AND COMPRESSIBLE FLUID UNDER PRESSURE OSCILLATION
N63-23368 24-13

PROPOSED EXPERIMENTS FOR GRAVITATIONAL INTERACTION DECAY - IMPLICATIONS FOR PLANETARY & STELLAR AGES
N63-23446 24-29

IMPETUS OF SPACE PROGRAM ON SENSORY AND ENVIRONMENTAL PHYSIOLOGY N63-23453 24-16

LAMINAR AND TURBULENT MIXING OF FIELD-FREE PLASMA
N63-23490 24-24

OPTICAL METHOD FOR OBSERVING BREAKUP AND VAPORIZATION OF LIQUID JET - SCHLIEREN & SHADOW PHOTOGRAPHS
NASA-CR-52081 N63-23558 24-27

PRINCETON U. OBSERVATORY, N.J.
STELLAR EVOLUTIONARY PROCESSES FROM THEORIES OF LUMINOSITY - ASTRONOMY N63-17793 16-05

HEAT TRANSFER TO SPHERE FOR FREE MOLECULE FLOW OF NONUNIFORM GAS
HT-5 N63-21784 22-13

PUBLIC HEALTH SERVICE, LAS VEGAS, NEV.
OFF-SITE ENVIRONMENTAL SAMPLING AND MONITORING DATA OF RADIOACTIVE CLOUDS - SEDAN PROJECT
PNE-200F N63-16270 13-21

PUBLIC HEALTH SERVICE, WASHINGTON, D.C.
GUIDE FOR LABORATORY ANIMAL FACILITIES AND CARE
N63-19965 19-16

PURDUE RESEARCH FOUNDATION, LAFAYETTE, IND.
PREPARATION OF PHOSPHONITRILE MONOMERS
AROD-1395-10 N63-12216 05-07

PURDUE U., LAFAYETTE, IND.
NITROMONOMERS AND THEIR APPLICATION TO SOLID SMOKELESS PROPELLANTS N63-10600 02-26

SIMILARITY PARAMETERS IN RADIATION GASDYNAMICS
A&ES-62-8 N63-10878 02-11

HORIZONTAL SLUMP OF A VISCOELASTIC HOLLOW CYLINDER CONTAINED IN A THIN ELASTIC SHELL
A&ES-62-6 N63-11165 03-33

ERROR ANALYSIS OF APPROXIMATE SOLUTIONS OF THERMAL VISCOELASTIC STRESSES
A&ES-62-13 N63-11166 03-33

MICROWAVE ENERGY CONVERSION BY SEMICONDUCTOR DIODE, HOT CATHODE, OR BULK SEMICONDUCTOR RECTIFICATION
WADD-TR-61-48, PT. III N63-11630 04-09

MICROSTRUCTURAL CHANGES PRODUCED IN RENE 41 ALLOY HEAT SHINGLES ON MERCURY CAPSULE
N63-12056 05-18

NONLINEAR THEORY AND APPLICATION TO POWER SYSTEMS
N63-12084 05-09

OPTIMUM AUTOMATIC CONTROL N63-12086 05-09

DYNAMIC RESPONSE OF FLUID LINES IN HYDRAULIC TRANSMISSIONS N63-12153 05-11

DIRECTIONAL CORRELATION ATTENUATION COEFFICIENT FOR MAGNETIC DIPOLE & ELECTRIC QUADRUPOLE INTERACTIONS - PART 1, INTERMEDIATE NUCLEAR STATE SPIN
TID-17089/PT. I/ N63-14237 10-23

DIRECTIONAL CORRELATION ATTENUATION COEFFICIENT FOR MAGNETIC DIPOLE & ELECTRIC QUADRAPOLE INTERACTIONS - PART 2, INTERMEDIATE NUCLEAR STATE SPIN
TID-17089/PT. II/ N63-14285 10-23

ADVANCED COMMUNICATION THEORY TECHNIQUES - DIGITAL COMMUNICATIONS SYSTEM
TR-EE-63-2 N63-15324 12-08

APPLICATIONS OF OPTIMUM NONLINEAR CONTROL SYSTEMS
N63-15638 12-09

QUANTUM-MECHANICAL THEORY OF THERMAL ACCOMMODATION COEFFICIENT FOR DIATOMIC GAS
A&ES-62-17 N63-15853 13-11

EFFECTS OF GAS-PARTICLE MIXTURES ON PERFORMANCE OF ROCKET NOZZLES
JPC-348 N63-17595 16-11

STATIC NONLINEAR THEORY OF ELECTROMAGNETIC THERMO-ELASTIC SOLIDS N63-19426 19-25

THERMAL STRESS OF SOLID PROPELLANT GRAINS UNDER VARIOUS ENVIRONMENTAL CONDITIONS
A&ES-62-19A N63-20831 21-26

PLANE WAVE PROPAGATION IN SEMI-INFINITE THIN VISCOELASTIC ROD AND PROPAGATION OF CYLINDRICAL WAVE FROM CYLINDRICAL CAVITY OF FINITE RADIUS
A&ES-63-1 N63-21414 22-33

AXISYMMETRIC HYDROMAGNETIC WAVES IN CURRENT-CARRYING PLASMA COLUMN WITH NONUNIFORM MASS DENSITY DISTRIBUTION
A&ES-63-7 N63-21462 22-24

COOPERATIVE GEOMAGNETIC MICROPULSATION MEASUREMENT
ONR-130 N63-21464 22-12

MAGNETIC FIELDS - EFFECT AND VARIATION IN STELLAR EVOLUTION AND EQUILIBRIUM
A&ES-63-9 N63-21650 22-29

STRESS ANALYSIS FOR PROBLEMS IN VISCOELASTICITY
A&ES-62-18 N63-21659 22-23

ELECTRONIC WAVE FUNCTION FOR GROUND STATE OF METHANE
N63-21773 22-23

COMBUSTION OF HYBRID PROPELLANTS - EFFECT OF FLUID FLOW, REACTIONS, OXIDIZER CONCENTRATION, HEAT TRANSFER, & FUEL COMPOSITION ON HYDRAZINE GELS
WSS/CI PAPER 63-1 N63-21805 22-26

TEMPERATURE DISTRIBUTIONS FROM DISSIPATION CALCULATED FOR VISCOELASTIC SLAB & HOLLOW CYLINDER SUBJECTED TO CYCLIC SHEAR LOADING
A&ES-63-4 N63-22043 22-26

STRESS RELAXATION DUE TO SMALL STRAINS APPLIED TO DEFORMED VISCOELASTIC MATERIAL
A&ES-63-5 N63-22059 22-33

RADIATION TRANSFER REGIMES IN HYPERSONIC FLIGHT
A&ES-63-6 N63-22060 22-02

SUDDEN ENERGY RELEASE AT CENTER OF THEORETICAL POLYTROPIC STAR CARRYING MAGNETIC DIPOLE
A&ES-63-8 N63-22061 22-05

SUPERCONDUCTING COIL ENERGY STORAGE FOR HIGH PULSED POWER APPLICATIONS
N63-22285 23-06

COMBUSTION PRESSURE OSCILLATIONS IN ROCKET MOTORS BURNING PREMIXED OR UNMIXED GASEOUS PROPELLANTS
F-63-2 N63-22439 23-26

CONSTITUTIVE EQUATIONS OF VISCOELASTIC MATERIALS UNDER LARGE DEFORMATION
A&ES-63-3 N63-22813 23-33

HYDRAULIC LINE DYNAMICS - TRANSIENT RESPONSE AND INSTABILITY
NASA-CR-52148 N63-23672 24-11

OPTIMUM NONLINEAR CONTROL OF MULTIVARIABLE SYSTEMS BY MATHEMATICAL ANALYSIS
NASA-CR-52226 N63-23815 24-09

QUADRATIC FACTORS OF POLYNOMIALS
NASA-CR-52238 N63-23816 24-20

Q

QUANTUM DYNAMICS, TARZANA, CALIF.
HIGH SPEED DATA ON DETONATION AND INSTABILITY PHENOMENA IN SOLID PROPELLANT COMBUSTION CHAMBER
N63-15598 12-26

QUARTERMASTER RESEARCH AND ENGINEERING CENTER, NATICK, MASS.
TENSILE IMPACT ON RUBBER AND NYLON - IMPULSE WAVE PROPAGATION AND CREEP IN POLYMERIC MATERIALS - STRUCTURAL DYNAMICS
N63-16617 14-19

JET COMPRESSOR FLOW PATTERNS - SUBSONIC TO SUPERSONIC
PR-9 N63-18201 16-11

QUARTERMASTER RESEARCH AND ENGINEERING COMMAND, NATICK, MASS.
EVALUATION OF METAL FORMING TECHNIQUES FOR TITANIUM HELMETS - PROJECTILE PENETRATION RESISTANCE - STRUCTURAL DYNAMICS
N63-16615 14-18

QUARTERMASTER RESEARCH AND ENGINEERING LABS., NATICK, MASS.
ANALYSIS AND EVALUATION OF ENVIRONMENTAL FACTORS - ARMY PROGRAM - VIBRATION
N63-16099 13-01

QUEEN S U., BELFAST /NORTHERN IRELAND/.
TEMPERATURE DETERMINATION FROM A CLOUD OF ALKALI VAPOR IN THE UPPER ATMOSPHERE
AFCRL-62-1049 N63-10122 01-29

ISOTOPE SHIFT IN LITHIUM AND IONIZED BORON
AFCRL-62-1065 N63-10123 01-23

HELIUM IONS IN UPPER ATMOSPHERE
AFCRL-62-1119 N63-11021 03-12

RESONANCE CAPTURE OF ELECTRONS FROM ATOMIC HYDROGEN BY HIGH ENERGY PROTONS - PROBABILITY OF IMPACT CHARGE TRANSFER INCLUDING MOMENTUM EFFECTS
N63-11642 04-23

DISTORTION APPROXIMATION TO CROSS SECTION FOR IS-2P TRANSITION OF HYDROGEN IONS BY BARE NUCLEI
N63-11643 04-23

EXPANSION METHOD FOR CALCULATING ATOMIC PROPERTIES
AFCRL-62-646 N63-11670 04-20

CORRELATION ENERGIES OF THE HELIUM SEQUENCE
AFCRL-62-647 N63-11671 04-20

UPPER ATMOSPHERE PHYSICS - ELECTRON COLLISION, RECOMBINATION, AIRGLOW
AFCRL-62-1138 N63-11692 04-12

HYDROXYL BANDS IN NIGHTGLOW
AFCRL-63-239 N63-13711 08-12

DIPOLE POLARIZABILITIES OF LITHIUM PERIOD USING PERTURBED AND UNPERTURBED WAVE FUNCTIONS OF OPEN SHELL TYPE
N63-19079 18-23

QUEENSLAND U., BRISBANE /AUSTRALIA/.
TRANSEQUATORIAL RADIO PROPAGATION BY BACKSCATTER IONOSONDE
AFCRL-62-343 N63-11891 04-08

CROSS- & AUTO-CORRELATION EFFECTS ASSOCIATED WITH ANOMALOUS TRANSEQUATORIAL PROPAGATION AT 16 MC/S
AFCRL-62-344 N63-11892 04-08

TRANSEQUATORIAL PROPAGATION ANALYSIS - IONOSPHERIC HEIGHT AND FREQUENCY PLOTS
AFCRL-62-345 N63-11893 04-12

LUNAR CONTROL OF TRANSEQUATORIAL PROPAGATION - RADIO - BACKSCATTER
AFCRL-62-346 N63-11894 04-08

TRANSEQUATORIAL PROPAGATION ANALYSIS - RAY TRACING AND MODE
AFCRL-62-347 N63-11895 04-08

EXOSPHERIC PROPAGATION OF BACKSCATTER SIGNALS
AFCRL-62-348 N63-11896 04-08

ECHO AREAS FROM FIELD-ALIGNED IONIZATION IRREGULARITIES
AFCRL-62-350 N63-11897 04-12

FIELD-ALIGNED IRREGULARITIES IN RADAR ECHOES FROM THE E-REGION
AFCRL-62-351 N63-11898 04-12

RADAR OBSERVATIONS - FIELD-ALIGNED IRREGULARITIES DURING MAGNETICALLY DISTURBED DAYS, MAY 6 & 8, 1960 - VAN ALLEN BELT
AFCRL-62-352 N63-11899 04-12

FIELD ALIGNED IONOSPHERIC IRREGULARITIES AND TRANSEQUATORIAL PROPAGATION OF HIGH FREQUENCY RADIO WAVES
AFCRL-62-353 N63-11900 04-08

ECHOES FROM F-REGION FIELD-ALIGNED IRREGULARITIES
AFCRL-62-349 N63-12631 06-12

MAGNETIC TAPE RECORDING AT VERY SLOW TAPE SPEEDS
AFCRL-62-706 N63-23595 24-09

RECORDING EQUIPMENT FOR GEOMAGNETIC MICROPULSATION GRAPHS
AFCRL-62-705 N63-23627 24-12

R

RADIATION APPLICATIONS, INC., LONG ISLAND CITY, N.Y.
RADIATION AND HEAT EFFECTS ON SOLID PROPELLANT DECOMPOSITION
RAI-314 N63-14852 11-26

RADIATION-INDUCED POLYMERIZATION - TRANSPARENT MOISTUREPROOF PLASTIC COATINGS - POLYETHYLENE HALOGENATION
RAI-303 N63-17187 15-07

MECHANISM OF RADIATION-INDUCED GELATION IN MONOMER-POLYMER MIXTURES OF PLASTIC MATERIALS
RAI-320 N63-17546 16-07

RADIATION INDUCED PLASTIC MEMORY IN POLYETHYLENE AND USE IN SPACE ERECTABLE STRUCTURES
NASA-CR-50447 N63-18164 16-19

WATER RECOVERY FROM CELLULOSE ACETATE MEMBRANES AND URINE
NASA-CR-50642 N63-19941 19-07

RADIATION INC., MELBOURNE, FLA.
ANALOG TELEMETRY TRANSMITTER - APPLICATION OF MOLECULAR ELECTRONICS TO PCM TELEMETRY
N63-15419 12-08

MOLECULARIZED PULSE-CODE MODULATION TELEMETRY TRANSMITTING SET N63-15425 12-08

TECHNIQUES FOR TRANSMISSION OF PULSE-CODE MODULATION SIGNALS N63-15426 12-08

RADIATION SYSTEMS, INC., ALEXANDRIA, VA.
MULTIPLE-BEAM SCANNING CIRCULAR ANTENNA ARRAY
AFCRL-63-136 N63-19814 19-08

RADIO CORP. OF AMERICA, BURLINGTON, MASS.
CONVOLUTIONAL CODES AND SEQUENTIAL DECODING, COMPUTER STUDY N63-10900 02-20

ERROR STUDY OF ORBITAL PREDICTIONS - ANALYSIS OF STATISTICS OF SENSOR DATA
ESD-TDR-63-189 N63-12453 06-29

TRANSPORTABLE SEARCH RADAR AND SIF EQUIPMENT FOR AIR TRAFFIC CONTROL COMMUNICATIONS FACILITY
AFCRL-62-700 N63-14579 10-08

GUIDANCE PROBLEM STUDY
SSD-TDR-63-91-V, VOL. 2 N63-18788 18-29

FLEXIBLE LINEAR-SHAPED CHARGE FOR STAGE SEPARATION
SSD-TDR-63-91-III N63-18789 18-10

1400 VA AND 500/25 VA INVERTER EVALUATIONS - SILICON CONTROLLED RECTIFIERS EMPLOYED AS SWITCHING DEVICES
SSD-TDR-63-91-II N63-18790 18-09

ELECTRONIC MULTISYSTEM TEST EQUIPMENT FOR MISSILE AND ROCKET WEAPON SYSTEMS
CR-63-547-43 N63-20599 20-09

OPERATIONAL FLIGHT CONTROL FOR SATURN BOOSTER
IAS PAPER-63-42 N63-20937 21-31

TEFLON EXPULSION BLADDERS FOR SPACECRAFT PROPULSION SYSTEMS
SSD-TDR-63-183-/IV/ N63-23364 24-27

FLEXIBLE LINEAR-SHAPED CHARGE SEPARATION TESTS FOR SPACE VEHICLE STAGE SEPARATION
SSD-TDR-63-183-/III/ N63-23370 24-06

NONMETALLIC POSITIVE EXPULSION BLADDER FOR SPACE VEHICLE PROPULSION SYSTEMS
SSD-TDR-63-278 N63-23557 24-27

TWO 500/25 VA SOLID STATE INVERTERS FOR GUIDANCE AND CONTROL ELECTRONICS - SPACECRAFT ELECTRONIC EQUIPMENT
SSD-TDR-63-183-/II/ N63-23792 24-25

RADIO CORP. OF AMERICA, CAMDEN, N.J.
COHERENT ELECTROMAGNETIC RADIATION FROM ELECTRON BEAM STIMULATED PLASMA
RADC-TDR-63-135 N63-16436 14-24

RELIABILITY OF REDUNDANT ANALOG CIRCUITRY FOR USE IN RELAY SATELLITES N63-17281 15-09

IMAGE ANALYSIS TECHNIQUES
ASD-TDR-63-866 N63-23088 24-16

LUNAR ASCENT & RENDEZVOUS WITH ORBITING VEHICLE - EQUATIONS OF MOTION ORIGINATING AT ORBITAL RATE
N63-23220 24-29

RADIO CORP. OF AMERICA, HARRISON, N.J.
OPTIMIZATION OF SILICON-GERMANIUM THERMOELECTRIC GENERATOR FOR WATER VEHICLE POWER SOURCE
TRECOM-TR-63-17 N63-19187 18-0

RADIO CORP. OF AMERICA, LANCASTER, PA.
THERMIONIC ENERGY CONVERTERS FOR SPACE APPLICATIONS - CYLINDRICAL CONVERTER
ASD-TDR-63-442 N63-21788 22-0

RADIO CORP. OF AMERICA, MOORESTOWN, N.J.
A COHERENT PULSED RADAR VELOCITY TRACKING DEMONSTRATION N63-11423 03-0

DOWNRANGE ANTIMISSILE MEASUREMENT PROGRAM /DAMP/ EFFECTS OF PLASMA AND WAKE ON RADAR ELECTRO-MAGNETIC PROPAGATION
DAMP-TM-62-13 N63-11564 04-0

ELECTRODELESS MAGNETOHYDRODYNAMIC GENERATOR - ELECTRODYNAMIC AND GAS DYNAMIC STUDY
ASD-TDR-62-411, PT. I N63-16115 13-2

RADIO CORP. OF AMERICA, NEW YORK, N.Y.
MAGNESIUM PRIMARY CELLS - PERFORMANCE AND EFFICIENCY N63-14162 09-0

PROTON RADIATION DAMAGE IN SEMICONDUCTING TRANSISTOR DEVICES - RADIATION HAZARD
N63-15127 11-2

RADIO CORP. OF AMERICA, PRINCETON, N.J.
RESEARCH ON METAL CONTACTS TO SEMICONDUCTORS
AROD-2838-1 N63-10367 01-2

CARRIER INJECTION ELECTROLUMINESCENCE
AFCRL-62-588 N63-10561 01-2

LOW-ALTITUDE REPEATER SATELLITE
N63-11149 03-0

SPACECRAFT, COMMUNICATIONS, AND TESTS FOR RELAY EXPERIMENTAL COMMUNICATIONS SATELLITE
ARS PAPER-2620-62 N63-11255 03-0

OPTIMIZING PERFORMANCE OF PHOTOCONDUCTORS
AFCRL-62-927 N63-12185 05-0

HALL EFFECT DEVICES & TUNNEL DIODES FOR MILLIMETE WAVE FREQUENCIES
AFCRL-62-918 N63-12678 06-0

SOLAR CELL ARRAY OPTIMIZATION
ASD-TR-61-11, VOL. III N63-12708 06-0

RADIATIVE RECOMBINATION OF CESIUM IONS IN PLASMA
TCREC-TR-62-82 N63-12933 07-2

SEMICONDUCTING FILM TRANSISTOR OF CADMIUM SULFIDE
AFCRL-62-965 N63-12945 07-0

THRESHOLD LOGIC IN ARTIFICIAL INTELLIGENCE - BAYE NETS AND GEOMETRIC SYNTHESIS IN THRESHOLD GATE SYNTHESIS
AFCRL-63-6 N63-13816 09-2

CESIUM PLASMA GUNS OBTAINING BEAM-CURRENT DENSITY OF 100 A/SQ CM
RADC-TDR-62-489 N63-14089 09-2

SUPERCONDUCTIVITY IN METALS AND ALLOYS - KAPITZA RESISTANCE MEASUREMENTS IN TIN AND INDIUM, ON TRANSITION CHANGE, AND SAPPHIRE INSULATOR
ASD-TDR-62-1111 N63-14245 10-1

FUNDAMENTAL SIZE LIMITATIONS FOR SEMICONDUCTOR MICROSTRUCTURES
AFCRL-63-12 N63-15104 11-2

RADIATION DAMAGE TO SOLAR CELLS
N63-15123 11-0

WAKE ANALYSIS BEHIND OSCILLATING REENTRY VEHICLE USING OSEEN LINEARIZATION - DOWNRANGE ANTIMISSILE MEASUREMENT PROGRAM
DAMP-TM-62-27 N63-15757 12-3

CESIUM VAPOR CATHODE TUBE - PLASMA GUN
RADC-TDR-63-138 N63-15921 13-2

PLASMA GENERATION BY SEMICONDUCTOR CRYSTAL IN MAGNETIC FIELD N63-16365 14-25

PREFLIGHT TESTING AND ANALYSIS - FLIGHT PERFORMANCE EVALUATION OF TIROS SATELLITES N63-17031 15-32

INFRARED PHOTOCONDUCTOR - GERMANIUM N63-17084 15-25

RELIABILITY OF REDUNDANT ANALOG CIRCUITRY FOR USE IN RELAY SATELLITES N63-17281 15-09

INSULATED-GATE FIELD-EFFECT DEVICES FOR MICROELECTRONICS N63-17366 15-09

MAXIMIZING PHOTOCONDUCTOR PERFORMANCE - HALL EFFECT IN VITREOUS SELENIUM, CADMIUM SULFIDE CRYSTALS
AFCRL-63-145 N63-18784 18-25

EVAPORATED THIN-FILM TRANSISTORS
AFCRL-63-178 N63-19880 19-25

HIGH TEMPERATURE RADIATION-RESISTANT GALLIUM ARSENIDE SOLAR CELL ARRAYS - RESEARCH AND FABRICATION RESULTS
RCA-AED-R-1875 N63-20239 20-06

THRESHOLD LOGIC AND RELIABILITY OF SWITCHING NETWORKS
AFCRL-63-185 N63-20409 20-09

PHOTOMULTIPLIERS FOR ULTRAVIOLET SPECTRUM N63-20858 21-09

DAMAGE TO SILICON INDUCED BY RADIATION - REVIEW OF CHANGES IN SEMICONDUCTOR PROPERTIES
NASA-CR-51044 N63-21178 21-23

SYNTHESIS OF CESIUM PLASMA CATHODES & GUNS DESIGNED TO YIELD HIGH DENSITY ELECTRON BEAMS
RADC-TDR-63-345 N63-21238 21-09

SYSTEMS ANALYSIS AND FINAL PHASE-OUT REPORT ON LUNAR ORBITER CAPSULE
NASA-CR-51242 N63-22054 22-32

RECOMBINATION, TRAPPING & ELECTRON SPIN RESONANCE IN NORMAL AND IRRADIATED SILICON N63-22160 22-19

CESIUM VAPOR ARC DISCHARGE PLASMA - RESONANCE RADIATION, LIFETIME, VOLT-AMPERE CHARACTERISTICS, AND THERMIONIC ENERGY CONVERSION
NASA-CR-51574 N63-22247 23-24

SUPERCONDUCTIVE INDUCTOR ENERGY STORAGE N63-22287 23-06

TRANSISTOR - SEMICONDUCTOR INTEGRATED LOGIC NETS
AFCRL-63-331 N63-22360 23-09

TOPOGRAPHY AND GROWTH MECHANISM OF SILICON EPITAXIAL DEPOSITION
AFCRL-63-308 N63-22833 23-19

RADIO CORP. OF AMERICA, SOMERVILLE, N.J.
GALLIUM ARSENIDE EPITAXIAL FILM GROWTH
ASD-TR-7-995 /1/ N63-14074 09-07

REPORT ON GALLIUM ARSENIDE SOLAR CELLS N63-14145 09-06

STUDIES OF MOLTEN-SALT SYSTEMS TO DETERMINE REVERSIBILITY OF VARIOUS COUPLES UNDER CHARGE AND DISCHARGE CONDITIONS N63-14156 09-06

GALLIUM ARSENIDE EPITAXIAL FILM GROWTH
ASD-TR-7-995/11/ N63-15830 13-07

HIGH TEMPERATURE SEMICONDUCTOR DEVICE - GALLIUM ARSENIDE
ASD-TDR-63-59 N63-16110 13-09

GALLIUM ARSENIDE EPITAXIAL FILM GROWTH
ASD-TR-7-995 /III/ N63-18347 17-07

RELIABILITY OF SILICON PLANAR EPITAXIAL TRANSISTOR N63-21422 22-09

INPROVING PRODUCTION METHODS FOR 2N1708 SILICON PLANAR EPITAXIAL TRANSISTOR N63-22015 22-09

GALLIUM ARSENIDE EPITAXIAL FILM GROWTH - CONTROL OVER DOPING LEVEL OF N-TYPE GALLIUM ARSENIDE LAYERS
ASD-TR-7-995/IV/ N63-22723 23-19

THEORY & DESIGN OF APPARATUS AND EXPERIMENT FOR DETERMINING GRAVITATIONAL CONSTANT BY UTILIZING GRAVITY GRADIENT MEASUREMENTS
AFCRL-63-842 N63-22724 23-15

RADIO CORP. OF AMERICA, TUCSON, ARIZ.
RADIATION EFFECT ON SEMICONDUCTOR DEVICES DUE TO PROTON PARTICLE ENERGY N63-13533 08-23

RADIATION EFFECT ON SEMICONDUCTOR DEVICES RESULTING FROM NEUTRON AND GAMMA PARTICLE ENERGY N63-13534 08-23

RADIO TECHNICAL COMMISSION FOR AERONAUTICS, WASHINGTON, D.C.
RADIO TECHNICAL COMMISSION FOR AERONAUTICS, FALL 1962 ASSEMBLY MEETING - MINUTES N63-13356 08-01

RAND CORP., SANTA MONICA, CALIF.
DIFFERENTIAL EQUATIONS FOR GEOMAGNETIC FIELD LINES IN SPACE
RM-3353-NASA N63-10318 01-20

ADIABATIC INTEGRAL INVARIANT IN THE GEOMAGNETIC FIELD
RM-3347-NASA N63-10505 01-12

MAXIMAL FLOWS IN NETWORKS
R-375-PR N63-10598 02-20

DYNAMICAL EFFECTS OF FUEL FLOW ON THE MOTION OF BOOSTERS
RM-3268-NASA N63-11051 03-31

ECONOMIC IMPORTANCE OF SPACE PROGRAM N63-11154 03-01

A SET OF TWO-BODY ORBITAL PARAMETERS FOR NEARLY CIRCULAR ORBITS AND RELATED EQUATIONS
ARS PAPER-2625-62 N63-11258 03-29

DYNAMIC PROGRAMMING TO OPTIMIZE ORBITAL CONTROL IN A 24-HOUR COMMUNICATION SATELLITE
ARS PAPER-2695-62 N63-11277 03-22

STUDY OF PLANETARY ATMOSPHERES BY STELLAR OCCULTATION
RM-3279-JPL N63-11322 03-05

PHYSICAL PROPERTIES OF THE MOON AND PLANETS
AR-26-JPL N63-11407 03-29

DERIVATION OF THE FORMULAS FOR THE REDUCTION OF PLANETOGRAPHIC OBSERVATIONS - MARS
RM-3138-NASA N63-11428 03-05

MOTION OF CHARGED PARTICLE IN DIPOLE MAGNETIC FIELD N63-11584 04-20

MAGNETIC FIELD OF THE MOON AND PLANETS
RM-3140-NASA N63-12040 05-29

SOLAR SYSTEM SCIENCE - 1961 LITERATURE SURVEY - ABSTRACTS, BIBLIOGRAPHY N63-12581 06-29

IONIZED GASES AT LOW DENSITY IN AXISYMMETRIC MAGNETIC FIELDS
RM-3429-NASA N63-12699 06-24

PASSIVE COMMUNICATION SATELLITE
R-415-NASA N63-13030 07-32

RADIATIVE TRANSFER THEORY AND PREDICTIONS OF RADIANT ENERGY SCATTERING AND DIFFUSION - X AND Y FUNCTIONS OF CHANDRASEKHAR
RM-3376-JPL N63-13935 09-20

SURVEY OF EXOBIOLOGY - ORIGIN OF LIFE, EXTRA-

TERRESTRIAL LIFE, CONTAMINATION AND BIOLOGICAL INSTRUMENTS FOR DETECTING LIFE
RM-3178-PR N63-13946 09-16

MAGNETIC FIELDS - INTERPLANETARY, PLANETARY, STELLAR, METEORIC AND GEOMAGNETISM
RM-3523-NASA N63-13990 09-12

ORBITAL MECHANICS - DIFFERENTIAL CORRECTION PROCESS FOR NEARLY CIRCULAR ORBITS AND APPLICATION TO SPACE FLIGHT GUIDANCE PROBLEMS
RM-3554-PR N63-14331 10-29

MODEL OF ANNUAL TEMPERATURE VARIATIONS AT 30 AND 60-DEG NORTH BETWEEN 30 AND 50-KM IN ATMOSPHERE FROM METEOROLOGICAL ROCKET DATA
RM-3564-PR N63-14378 10-21

ANALYSIS OF ELECTRODYNAMICS OF ATOMIC SYSTEM AND ELECTRON GAS
R-410-PR N63-14862 11-23

ECONOMICS-MATHEMATICAL ANALYSIS OF PLANT MODERNIZATION WITH MATHEMATICAL MODEL - COMPUTER PROGRAM
RM-3551-PR N63-14865 11-20

INTERACTION OF LASER LIGHT WITH METAL - ELECTRON-OPTICS INTERACTION IN METAL VAPORIZATION
RM-3560-PR N63-14868 11-25

INVARIANT IMBEDDING & RAREFIED GAS DYNAMICS - COUETTE FLOW
RM-3497-ARPA N63-14870 11-11

LUNAR SURFACE VEHICLE PERFORMANCE
N63-14985 11-29

TRANSIENT SOUND WAVE PROPAGATION THROUGH 3-LAYER, STRATIFIED MEDIUM
RM-3478 N63-15195 11-08

DIFFERENTIAL-DIFFERENCE EQUATIONS
R-374-PR N63-15245 12-20

SYNCHRONIZATION IN COMMUNICATION SYSTEMS
RM-3561-PR N63-15254 12-08

ORBIT DETERMINATION AS NONLINEAR BOUNDARY VALUE PROBLEM AND QUASILINEARIZATION
RM-3129-PR N63-15460 12-20

SOVIET ASTRONAUTICS - 1957 TO 1962
RM-3595-PR N63-15570 12-32

COMPUTER PROGRAM TO SIMULATE BLOOD CHEMISTRY CHANGES IN RESPONSE TO PHYSIOLOGICAL STRESS
RM-3541-PR N63-15665 12-16

USES OF MONTE CARLO METHOD IN PROGRAM EVALUATION AND REVIEW TECHNIQUE - PERT PROJECT
RM-3367-PR N63-15702 12-20

NETWORK-TYPE MANAGEMENT CONTROL SYSTEMS BIBLIOGRAPHY
RM-3074-PR N63-15733 12-01

DISSIPATION EFFECTS CONTROLLING ELECTRICAL COMPOSITION OF MESOSPHERE
RM-3585-PR N63-15896 13-12

TIME RESPONSE OF LOWER IONOSPHERE TO PULSE OF IONIZATION
RM-3204-PR N63-15948 13-12

SPACE SCIENCE - PHOBOS SPACE STATION FOR MARS EXPLORATION PRIOR TO MANNED SPACE FLIGHT TO MARS
N63-16014 13-29

RADIATION HAZARDS TO MEN IN SPACE - VAN ALLEN BELTS, ELECTROMAGNETIC RADIATION, SOLAR FLARE PROTONS, GALACTIC COSMIC PARTICLES
P-2691 N63-16171 13-32

SOLUTION FOR CYLINDRICAL MAGNETOHYDRODYNAMIC BLAST WAVES
RM-3054-PR N63-16312 13-24

TURBULENT BOUNDARY LAYER IN COMPRESSIBLE FLUID
R-403-PR N63-16406 14-11

EFFECTS OF GRAVITY AND NONUNIFORMITY OF ATMOSPHERIC DENSITY ON SOUND PROPAGATION - NUCLEAR EXPLOSION DETECTION
RM-3596 N63-16518 14-12

INVARIANT IMBEDDING AND TIME-DEPENDENT SCATTERING OF LIGHT IN ONE-DIMENSIONAL MEDIUM - RADIATION TRANSFER
RM-3603-ARPA N63-16519 14-20

ORBITAL RENDEZVOUS - TRAJECTORY, GUIDANCE AND PROPULSION
RM-3275-PR N63-16551 14-29

LINEAR PROGRAMMING FOR COMPUTERS BY SIMPLEX METHOD - COMPOSITE ALGORITHM PROCEDURE
RM-3579-PR N63-16997 15-20

ORIGIN OF FATIGUE CRACK AS SURFACE PHENOMENA
RM-3164-PR N63-17014 15-33

MATERIAL REQUIREMENTS FOR BOUNDARY LAYER STABILIZING COATINGS - WATER APPLICATION
RM-3018-PR N63-17015 15-19

CHARGED PARTICLE ACCELERATIONS BY HYDROMAGNETIC SHOCK WAVES IN MAGNETOSPHERE
RM-3527-NASA N63-17101 15-24

AIR CONDUCTIVITY PRODUCED BY NUCLEAR EXPLOSIONS
RM-3671-PR N63-17224 15-24

MAINTENANCE & RELIABILITY - PERSONNEL REQUIREMENTS
N63-17277 15-16

CONDITIONS FOR IDEAL MIXTURE OF CHEMICAL SPECIES OVER WIDE RANGE OF COMPOSITIONS - UPPER ATMOSPHERE
RM-3677-PR N63-17399 15-07

HEAT AND MASS TRANSFER AT EVAPORATION COOLED HIGH TEMPERATURE SURFACES
RM-2997-PR N63-17452 15-20

EFFECT OF REACTOR TEMPERATURE ON CRITICALITY FACTOR - CROSS SECTION AND FLUX DISTRIBUTION AT THERMAL ENERGY LEVELS
RM-3089-PR N63-17486 16-23

FREE MOLECULAR HYPERSONIC FLOW AT LEADING EDGE OF FLAT PLATE - PRESSURE, SHEAR DISTRIBUTION AND HEAT TRANSFER
RM-2553-PR N63-17531 16-20

MODEL GRAVITATIONAL FIELDS OF THE EARTH - EARTH CORE STRUCTURE
RM-3642-PR N63-17646 16-12

RADIATIVE HEAT TRANSFER IN PLANETARY ATMOSPHERE WITH IMPERFECT SCATTERING
R-143-PR N63-17664 16-05

PROPERTY OF CONSERVATION EQUATION USED TO ESTABLISH EXISTENCE OF SOLUTION TO MATRIX RICCATI EQUATION - INVARIANT IMBEDDING
RM-3611-ARPA N63-17767 16-20

RADIOFREQUENCY FIELD - ELECTRON MOTION
RM-3364-PR N63-18022 16-24

MULTIPLEX FREQUENCY AMPLIFIER - CHANNEL CAPACITY
NASA-CR-50334 N63-18036 16-08

SATELLITE INTERCEPT AND RENDEZVOUS PROBLEMS SOLVED BY DYNAMIC PROGRAMMING
N63-18071 16-30

COMPRESSION OF EARTH MAGNETIC FIELD DUE TO IMPACT OF NEUTRAL PARTICLES FROM THE SUN UPON OUTER MAGNETOSPHERE
N63-18165 16-12

ALGEBRAIC SOLUTION OF LINEAR LOGARITHMIC PROGRAMMING PROBLEM DERIVED FROM LAGRANGE MULTIPLIER TO SOLVE CHEMICAL EQUILIBRIUM PROBLEMS
RM-3707-PR N63-18261 17-07

PHYSICAL PROPERTIES OF MOON & PLANETS - PLANETARY ATMOSPHERES, RADIOMETRY, REENTRY AND ORBIT

CALCULATIONS
NASA-CR-50576 N63-18334 17-29

SOLAR SYSTEM CONSTANTS SYMPOSIUM - ASTRONOMICAL UNIT DETERMINATIONS
NASA-CR-50394 N63-18371 17-05

AMERICAN AND SOVIET INTEREST IN LIGHTER-THAN-AIR AIRCRAFT FOR TRANSPORT OF OVERSIZED CARGO
RM-3698-PR N63-18381 17-01

FLIGHT CONDITIONS IN ATMOSPHERE OF MARS AND VENUS - ATMOSPHERE MODEL
RM-3388-PR N63-18384 17-29

PROPOSED INSTRUMENTAL SATELLITES FOR COVERAGE OF GEOMAGNETIC FIELD AND PARTICLE BELTS WITHIN GIVEN SATELLITE ORBIT - WORLD MAGNETIC SURVEY
NASA-CR-50474 N63-18409 17-12

SEQUENTIAL DETECTION WITH APPLICATION TO SEARCH RADAR
RM-3757-PR N63-18976 18-08

DISTURBING TORQUES AND TRANSIENT RESPONSE OF GRAVITY GRADIENT-STABILIZED SATELLITES
N63-19005 18-32

TURBULENT FRICTION ON A FLAT PLATE IN SUPERSONIC FLOW
RM-2968-PR N63-19008 18-11

THEORY CALCULATION FOR GROWTH OF HYPERSONIC TURBULENT WAKE BEHIND BLUNT AND SLENDER BODIES
RM-3270-PR N63-19024 18-11

TACTICAL PROBLEMS IN DIGITAL COMPUTER SIMULATION
RM-3244-PR N63-19049 18-01

OPTIMAL CONTROL OF STOCHASTIC SYSTEMS - CONTROL RULES, CONTROL SCHEMES, AND FEEDBACK CONTROL LOOP ANALYSIS
RM-3726-PR N63-19050 18-09

IMPROVED ASYMPTOTIC PROPERTIES OF BINARY ERROR CORRECTING CODES
RM-3232-PR N63-19051 18-08

CONCEPTS AND THEOREMS IN CAPACITY CONSTRAINED NETWORKS - COMBINATORIAL APPLICATIONS OF NETWORK FLOW THEORY - OPERATIONS RESEARCH
RM-3378-PR N63-19052 18-20

THERMODYNAMICS OF GRAPHITE OVER TEMPERATURE RANGE TO 6000-DEG K AND PRESSURES TO 1000-ATM - GRAPHITE CARBON VAPOR SYSTEM
RM-3326-PR N63-19053 18-23

STABLE, PHYSICALLY REALIZABLE, LINEAR, TIME CONSTANT SYSTEMS - FOURIER TRANSFORM BEHAVIOR
RM-3333-PR N63-19054 18-09

SIZES OF SIMULATION SAMPLES REQUIRED TO COMPUTE CERTAIN INVENTORY CHARACTERISTICS WITH STATED PRECISION AND CONFIDENCE
RM-3242-PR N63-19067 18-20

SWITCHING CIRCUIT DESIGN FOR DIGITAL COMPUTERS - REALIZATIONS OF ALGORITHMS, CASCADE CIRCUITS
RM-3269-PR N63-19070 18-09

THERMODYNAMIC PROPERTIES OF POLYSTYRENE-HYDROCARBON CHEMICAL VAPOR DEPOSITION SYSTEM
RM-3708-PR N63-19118 18-23

CIRCULATION AND DYNAMICS OF MAGNETOSPHERE IN RELATION TO PROBLEMS OF IONOSPHERE
P-2761 N63-19147 18-12

THERMODYNAMIC PROPERTIES OF POLYETHYLENE OVER TEMP RANGE TO 6000-DEG K AND PRESSURES TO 1 MILLION ATM - TABLES AND GRAPHS
RM-3709-PR N63-19161 18-23

LEARNING, PROBLEM-SOLVING, AND GENERALIZATION - ARTIFICIAL INTELLIGENCE
RM-3285-1-PR N63-19280 18-14

MODEL ATMOSPHERE OF MARS FOR ATMOSPHERIC ENTRY ENGINEERING STUDY - PLANETARY EXPLORATION
P-2639 N63-19314 18-29

ENVIRONMENT OF PLANETS IN SOLAR SYSTEM - EARTH, MARS AND VENUS
P-2640 N63-19338 18-29

AUTOSATE - AUTOMATED DATA SYSTEM ANALYSIS TECHNIQUE
N63-19339 18-01

SIMSCRIPT-SIMULATION MODEL FOR COMPUTER PROGRAM
RM-3778-PR N63-19347 18-01

BIASED SQUARE-LAW SEQUENTIAL DETECTOR IN SEARCH RADAR SYSTEMS - UNRESTRICTED SIGNAL TO NOISE RATIO
RM-3759-PR N63-19402 19-08

VELOCITY REQUIREMENTS FOR STOPOVER ROUND TRIP SPACEFLIGHT TO MARS FOR DEPARTURE DATES FROM 1971 TO 1977
RM-3474-PR N63-19409 19-29

EFFECT OF VERTICAL AIR MOTION ON ATMOSPHERIC DENSITY DETERMINATION FROM ROBIN BALLOON FLIGHT
RM-3687-PR N63-19509 19-21

OMNIBUS CALCULATOR OF KINEMATICS OF EARTH ORBITAL TRAJECTORIES FOR USE IN COMPUTER PROGRAM
RM-3534-PR N63-19781 19-29

HYPERVELOCITY FRAGMENT IMPACT AND PENETRATION INTO ALUMINUM
RM-3529-PR N63-19789 19-33

INTEGRAL AND SPHERICAL-HARMONIC ANALYSIS OF THE GEOMAGNETIC FIELD
NASA-CR-50609 N63-19857 19-12

COMBINED TRANSLATION AND ASSEMBLY DATA PROCESSING SYSTEM ALLOWING CROSS REFERENCING - PROGRAMMING
RM-3646-PR N63-19931 19-01

OPTIMAL LINEAR FEEDBACK GUIDANCE SCHEME FOR SPACE VEHICLES
RM-3604-PR N63-20177 20-22

PROPAGATION OF AERODYNAMIC DISTURBANCES FAR FROM A BODY RISING THROUGH THE ATMOSPHERE
RM-2927-PR N63-20382 20-23

BOLTZMANN EQUATION EXPRESSIONS FOR ELECTRIC CURRENT IN PLASMA AT LOW DENSITY IN MAGNETIC FIELD
N63-20645 20-24

APPLICATION AND ANALYSIS OF LOGNORMAL DISTRIBUTION - QUEUEING PROBLEMS AND PEAK FAILURE RATE
RM-3781PR N63-20750 21-20

NUMERICAL SOLUTIONS OF LAMINAR BOUNDARY LAYER EQUATIONS WITH VARIABLE FLUID PROPERTIES - MASS TRANSFER, WALL TEMPERATURE, PRANDTL NUMBER
RM-3792-PR N63-20769 21-11

FREQUENCY SYNTHESIS FOR COMMUNICATION TRANSMITTERS AND RECEIVERS
RM-3756-PR N63-20901 21-09

VARIOUS FATIGUE THEORIES AND THEIR EFFECT ON STRUCTURAL WEIGHT
RM-3650-PR N63-21169 21-33

DIFFERENTIAL GAME WITH INTEGRAL PAYOFF AND CONTINUOUS TERMINAL PAYOFF WITHOUT PURE STRATEGY SOLUTION
RM-3012-PR N63-21241 21-20

EARTH SATELLITE LIFETIMES - EFFECT OF ALTITUDE, ORBIT-PLANE INCLINATION, AND PERTURBATION FORCES
RM-3700-PR N63-21323 21-32

EXTENSION OF CHAPMAN-FERRARO THEORY OF GEOMAGNETIC STORMS
NASA-CR-51107 N63-21624 22-12

ISOTROPIC COVERAGE ON SATELLITES OF LARGE DIAMETER COMPARED WITH WAVELENGTH
NASA-CR-51321 N63-22017 22-08

PERTURBATIONS OF EQUATORIAL SATELLITES DUE TO ELLIPTICITY
NASA-CR-51555 N63-22030 22-32

CORRELATION OF CRITICAL CONDITIONS OF HOMOGENEOUS BARE REACTORS CONTAINING RESONANCE ABSORBER
RM-2940-PR N63-22304 23-27

FIELD ANALYSIS BY INTEGRALS DEVELOPED & APPLIED TO VARIOUS TEST FIELDS PRESCRIBED OVER SURFACE OF A SPHERE N63-22873 23-12

PHYSICS OF BALLOONS & THEIR POSSIBLE USE AS MARS EXPLORATION VEHICLES
NASA-CR-51782 N63-22880 23-29

BINARY SEQUENCE GENERATORS - DESIGN THEORY OF SHIFT-REGISTER COUNTERS
RM-3874-PR N63-23144 24-09

TRAJECTORY OPTIMIZATION USING CALCULUS OF VARIATIONS AND RELATIONSHIP TO BALLISTIC PERTURBATION THEORY
RM-3793-PR N63-23149 24-29

RADIATIVE HEAT TRANSFER IN ATMOSPHERE
RM-3869-PR N63-23334 24-12

DIFFUSE REFLECTION AND TRANSMISSION OF LIGHT BY TWO ISOTROPIC MEDIA SEPARATED BY ROUGH SURFACE
N63-23335 24-12

SPECTRAL ABSORPTION OF DIRECT AND DIFFUSE RADIATION N63-23336 24-12

APPROXIMATE SOLUTION FOR RADIATIVE HEAT TRANSFER - ANISOTROPIC SCATTER N63-23337 24-12

MAGNETIC FIELDS OF EARTH & PLANETS
N63-23524 24-29

EARLY COMMUNICATION SATELLITE SYSTEM OF RELAY AND TELSTAR SATELLITE GENERAL TYPE
NASA-CR-52150 N63-23601 24-08

RAND DEVELOPMENT CORP., CLEVELAND, OHIO.
DYNAMIC RESPONSES OF BIOPHYSICAL SYSTEMS - PERFORMANCE CHARACTERISTICS
NASA-CR-50548 N63-18495 17-16

RAYTHEON CO., BEDFORD, MASS.
PYROFIBER, FREE-STANDING, PYROGRAPHITE AND PYROCARBIDE
S-515 N63-13844 09-17

OPTIMIZATION OF BOOST AND GLIDE TRAJECTORIES FOR SORTIE REENTRY VEHICLE - COMPUTER CONTROL PROGRAM
N63-15635 12-30

OPTIMAL CONTROL OF LINEAR AND NONLINEAR DYNAMIC SYSTEMS N63-15640 12-20

PERTURBATION CONTROL FOR MIDCOURSE GUIDANCE IN SPACE TRAJECTORY PROGRAM
AIAA PAPER-63-222 N63-17924 16-22

SOLUTIONS TO OPTIMAL PROGRAMMING PROBLEMS WITH INEQUALITY CONSTRAINTS ON FUNCTIONS OF CONTROL OR STATE VARIABLES
BR-2121 N63-19184 18-20

MINIMUM FUEL VERTICAL TOUCHDOWN LUNAR LANDING GUIDANCE TECHNIQUE
AIAA 63-345 N63-20133 20-29

RAYTHEON CO., LEWISTON, ME.
SILICON ALLOY TRANSISTORS - PRODUCTION ENGINEERING MEASURES TO IMPROVE RELIABILITY
N63-22794 23-09

RAYTHEON CO., LEXINGTON, MASS.
TECHNIQUES FOR ANALYSIS AND PREDICTION OF EQUIPMENT RELIABILITY DURING DESIGN
N63-17296 15-17

RAYTHEON CO., NORWOOD, MASS.
UNDERGROUND RADIO COMMUNICATIONS THROUGH DEEP ROCK STRATA
AFCRL-63-60 N63-17589 16-08

RAYTHEON CO., WALTHAM, MASS.
EFFECTS OF ION-INDUCED DEFECTS ON SURFACE REACTIONS - ADSORPTION OF OXYGEN ON GALLIUM ANTIMONIDE
S-480 N63-11711 04-0

EFFECTS OF ION-INDUCED DEFECTS ON SURFACE REACTIONS - SPUTTERING OF COMPOUNDS AND ALLOYS
S-472 N63-11784 04-2

FAILURE MECHANISMS IN DIELECTRICS
S-510 N63-14843 11-2

FERROELECTRICS - MICROWAVES, ELECTROSTRICTION AND NONLINEAR DIELECTRIC CONSTANT
S-528 N63-16271 13-2

RECOVERY CONTROL CENTER CONCEPTS AND GROUND OPERATIONAL SUPPORT SYSTEMS FOR REENTRY VEHICLES
N63-17967 16-3

GROUND OPERATIONAL SUPPORT SYSTEM, RADAR TRACKING, TELEMETRY AND COMMUNICATION NETWORK FOR APOLLO AND GEMINI PROGRAMS N63-17968 16-3

GROUND CONTROLLED APPROACH - COMMUNICATION SYSTEM FOR REENTRY VEHICLES N63-17969 16-3

RECOVERY CONTROL CENTER FOR HYPERSONIC VEHICLES WITH AERODYNAMIC CONTROL - GROUND OPERATIONAL SUPPORT N63-17970 16-3

TERMINAL GUIDANCE FOR REENTRY VEHICLES - RECOVERY DEVICES AND GROUND SUPPORT N63-17971 16-3

REENTRY GUIDANCE FROM GROUND OPERATIONAL SUPPORT SYSTEM FOR SPACE VEHICLES N63-17972 16-3

LIFT-DRAG MODULATION TO MINIMIZE AERODYNAMIC HEATING OF REENTRY VEHICLES N63-17973 16-3

ANGLE OF ATTACK AND BANK-ANGLE PROGRAMS FOR REENTRY GLIDER - LATERAL OSCILLATION
N63-17974 16-3

EFFECTS OF ION-INDUCED DEFECTS ON SURFACE REACTIONS - SPUTTERING & ADSORPTION OF GALLIUM ANTIMONIDE AND GERMANIUM SURFACE CONDUCTIVITY
S-545 N63-19055 18-09

BREAKDOWN FIELDS AND BULK DIFFUSION CONSTANTS IN STRONTIUM TITANATE - FERROELECTRIC AND NONLINEAR DIELECTRIC BREAKDOWN
RADC-TDR-63-238 N63-19329 18-25

MICROWAVE PROPERTIES OF FERROELECTRICS - ELASTIC CONSTANTS OF STRONTIUM TITANATE
AFCRL-62-594 N63-21220 21-19

BEHAVIORAL PLANNING NETWORK FOR WORK DISTRIBUTION AND PROGRAM PLANNING - INSTRUCTION DESIGN
ESD-TDR-63-607 N63-23184 24-09

RAYTHEON CO., WAYLAND, MASS.
MEAN-TIME-BETWEEN-FAILURE APPORTIONMENT IN RELIABILITY CONTROL OF MAULER MISSILE DESIGN
N63-17285 15-08

GAS DYNAMICS - CONVERGENCE & ERROR ESTIMATION OF ITERATIVE SOLUTION TO NONLINEAR BOLTZMANN EQUATION N63-21560 22-24

RCA SERVICE CO., INC., CAMDEN, N.J.
TECHNIQUES OF PHYSIOLOGICAL MONITORING
AMRL-TDR-62-98/I/ N63-10152 01-16

RCA SERVICE CO., PATRICK AFB, FLA.
INFRARED & ELECTROMAGNETIC RADIATION DATA REDUCTION METHODS
MTC-TDR-63-6 N63-20710 21-08

RCA VICTOR CO., LTD., MONTREAL /CANADA/.
SOLID STATE CHARGED PARTICLE SILICON DETECTORS
ARL-62-406 N63-10128 01-15

MICROWAVE MEASUREMENTS OF PLASMA PROPERTIES
AFCRL-63-161 N63-20335 20-24

EAL ESTATE RESEARCH CORP., WASHINGTON, D.C.
ECONOMIC EFFECT OF SPACE PROGRAM - NASA
N63-21141 21-01

EDEL, INC., ANAHEIM, CALIF.
ADHESIVES, PROTECTIVE COATINGS, POTTING COMPOUNDS FOR ELECTRONIC PACKAGING
NASA-CR-51587 N63-23042 24-09

EGIS COLL., WESTON, MASS.
TRANSFORMATION OF EQUATIONS OF MOTION OF METEOROLOGY INTO ARBITRARY ORTHOGONAL COORDINATES
AFCRL-62-1109 N63-20732 21-21

EMINGTON RAND UNIVAC, BLUE BELL, PA.
DATA PROCESSING SYSTEM IMPROVEMENT - DATA RECOVERY, DATA STORAGE, AND REAL-TIME CLOCK
N63-15815 13-20

ENSSELAER POLYTECHNIC INST., TROY, N.Y.
FLOW INDUCED BY A SELF-PROPELLED VEHICLE IN A TUBE FOR HIGH SPEED LAND TRANSPORTATION
TR-AE-6204 N63-10439 01-27

HEAT TRANSFER & WATER REMOVAL IN CYLINDER DRYING - FELTED CYLINDERS N63-10458 01-13

MOLECULAR THEORY OF THE VISCOELASTICITY OF A THREE-DIMENSIONAL HYDROGEN-BONDED NETWORK
N63-10703 02-07

TRITIUM, ORTHO AND PARA FORMATION ON CHARCOAL AT CRYOGENIC TEMPERATURES N63-10709 02-07

CELLULOSE AS A VISCOELASTIC MATERIAL - HYDROGEN BONDING THEORY N63-10737 02-07

ATMOSPHERIC EFFECTS ON RADIO ASTRONOMICAL SIGNALS- ANALYSIS OF ANTENNA TEMPERATURES DURING THUNDERSTORMS
AFCRL-62-311 N63-12028 05-12

DISLOCATION MOBILITY AND INTERACTIONS IN HIGH PURITY MAGNESIUM
AROD-3394-1 N63-12315 05-18

AIR COOLED 10 KILOGAUSS MAGNET FOR PLASMA RESEARCH
N63-13070 07-24

PLASMA WAVEGUIDE CELL FOR AFTERGLOW MICROWAVE STUDY N63-13090 07-15

ELECTROCHEMISTRY OF PALLADIUM HYDROGEN DIFFUSION ELECTRODES
AFCRL-62-1051 N63-13226 07-07

ULTRASONIC MEASUREMENTS OF DENSITY AND ELASTIC CONSTANTS AT HIGH PRESSURE
ASME PAPER-62-WA-289 N63-13431 08-33

CALCITE-ARAGONITE TRANSITION IN LIMESTONE BY ULTRASONIC PULSE INTERFEROMETRY - POLYMORPHIC PHASES N63-13524 08-12

CHEMISTRY OF VENUS ATMOSPHERE - CARBON DIOXIDE, DECOMPOSITION RESISTANCE, ABSORPTION, MICROWAVE EMISSION, OZONE, AND DIRECT RECOMBINATION
N63-13753 08-29

SUSTAINED OSCILLATION OF SYSTEMS WITH DRY FRICTION AND RAMP INPUT N63-13855 09-23

IDENTIFICATION & MODEL CONSTRUCTION OF NONLINEAR SYSTEMS WITH TWO-LEVEL INPUTS & FINITE SETTLING TIMES N63-14070 09-20

MATERIALS SCIENCE - METALLURGY, CHEMICAL ENGINEERING, CERAMICS N63-14944 11-07

ADAPTIVE, PREDICTIVE MODEL FOR NONLINEAR PROCESSES WITH TWO-LEVEL INPUTS N63-15248 12-20

HEAT TRANSFER IN POROUS MEDIA CONTAINING VOLATILE LIQUID AND MASS DIFFUSION MEASUREMENT
N63-15295 12-13

GATED MICROWAVE RADIOMETER FOR MONITORING ELECTRON TEMPERATURE DURING PLASMA AFTERGLOW EXPERIMENTS
PLASMA RES. LAB. TECH. REPT.7
N63-16886 14-15

RELAXATION OF ALUMINUM-ALUMINUM OXIDE ALLOY
N63-17154 15-18

PHOTOCHEMISTRY OF VENUS ATMOSPHERE - ABSORPTION SPECTROSCOPY AND IRRADIATION STUDIES OF MODEL ATMOSPHERIC GASES
NASA-TN-D-1984 N63-17208 15-29

GUIDANCE REQUIREMENTS FOR SOFT-LANDING DESCENT TRAJECTORY
NASA-CR-50215 N63-17217 15-20

CONVERSION OF ORTHO-PARA TRITIUM IN HOMOGENEOUS GAS AND SOLID PHASES
NASA-CR-50363 N63-18168 16-07

NONLINEAR CELLULAR SOLUTIONS FOR THERMAL CONVECTION - STABLE HEXAGONAL CELLS - BOUSSINESQ EQUATIONS
RPI-MATH. 60 N63-21034 21-19

IMPACT ON ELASTICALLY CONNECTED DOUBLE BEAM SYSTEM - DIFFERENTIAL EQUATIONS OF MOTION
N63-21808 22-33

VELOCITY FIELD INDUCED IN LIQUID BY ROTATING CONE
N63-22527 23-11

INTERSTITIAL ALLOYING ELEMENTS USED TO STRENGTHEN NIOBIUM & NIOBIUM ALLOYS
AROD-2530-2 N63-22564 23-18

FREQUENCIES & ZERO DISPLACEMENT LINES FOR NORMAL MODE VIBRATIONS OF SHALLOW SPHERICAL SHELLS
BRL-1188 N63-22610 23-23

FLOW STABILITY BETWEEN ARBITRARILY SPACED CONCENTRIC CYLINDRICAL SURFACES INCLUDING EFFECT OF A RADIAL TEMPERATURE GRADIENT
RPI-61 N63-22809 23-13

NONLINEAR GUIDANCE SYSTEM FOR DESCENT TRAJECTORIES
AIAA PAPER-63-151 N63-23091 24-22

DETERMINATION OF ELASTIC COMPLIANCE OF CYLINDRICALLY AEOLOTROPIC PLATES UNDER TRANSVERSE LOAD N63-23577 24-23

FREQUENCIES OF FLEXURAL VIBRATION AND CORRESPONDING MODAL SHADES FOR CYLINDRICALLY AEOLOTROPIC CIRCULAR PLATES N63-23614 24-23

NORMAL MODE VIBRATIONS OF SYSTEMS OF ELASTICALLY CONNECTED PARALLEL STRUCTURAL BEAM
N63-23646 24-34

NITROGEN PLASMA AFTERGLOW - MICROWAVE TRANSMISSION AND MICROWAVE CAVITY MEASUREMENTS
NASA-TN-D-2226 N63-23653 24-24

REPUBLIC AVIATION CORP., FARMINGDALE, N.Y.
MINIMUM WEIGHT DESIGN OF STRUCTURES OPERATING IN AN AEROSPACE ENVIRONMENT
ASD-TDR-763 N63-10091 01-34

AIR FORCE MAINTENANCE TECHNICAL DATA SYSTEM
AMRL-TDR-62-85 N63-10094 01-01

CHARACTERISTICS OF THE PINCH DISCHARGE IN A PULSED PLASMA ACCELERATOR
ARS PAPER-2376-62 N63-10531 01-24

AXISYMMETRIC SNAP BUCKLING OF CONICAL SHELLS
N63-10839 02-33

THERMOSTRUCTURAL ANALYSIS HANDBOOK - THERMAL STRESSES - STRUCTURAL SHELLS
WADD-TR-60-517, VOL. II N63-10908 02-33

HYPERSONIC PROPULSION SYSTEMS
RAC-964 N63-10996 02-27

STRUCTURAL DESIGN PROBLEMS IN A COMBINED THERMAL AND LOAD ENVIRONMENT - STRESS AND DEFLECTIONS
N63-11077 03-34

EFFECT OF ATMOSPHERIC PRESSURE, GRAVITY, AND

PARTIAL PRESSURE OF NITROGEN ON PLANT GROWTH
N63-11477 03-16

PROTEIN - EXTRACTION FROM VARIOUS MATERIALS AND FUNGAL SYNTHESIS - BIOECOLOGY OF DIGESTION
N63-11486 03-16

MOLYBDENUM AND NIOBIUM ALLOYS FOR HIGH TEMPERATURE FASTENERS
ESRD-7-19 N63-12156 05-17

VARIABLE SWEEP WING V/STOL AIRCRAFT DESIGN - PART I, AERODYNAMIC DESIGN ASPECTS
RAC-1012 N63-13051 07-04

CAUSES OF CRACKING IN WELDING AGE HARDENABLE HIGH TEMPERATURE ALLOYS
RAC-509 N63-13077 07-17

DESIGN OF HOT COMPRESSION STRUCTURES FOR AIRCRAFT WITH STRESS-STRAIN AND WEIGHT LIMITATIONS - NONDIMENSIONAL APPROACH
RAC-973 N63-13555 08-34

OXIDATION OF TUNGSTEN-THORIUM ALLOY - COMPARISON WITH UNALLOYED TUNGSTEN
RAC-1032 N63-13556 08-18

SPIN RELAXATION-TIME OF LIQUIDS IN WEAK MAGNETIC FIELDS
RAC-1054 N63-13557 08-24

HYDRAULIC FLUIDS FOR SUPERSONIC TRANSPORT AIRCRAFT TESTING PROGRAM
RAC-1047 N63-13558 08-06

STATISTICAL METHODS FOR PREDICTION OF SAFE AIRCRAFT FATIGUE LIFE
RAC-1147 N63-13745 08-33

REFRACTION CORRECTION OF SHORT NAVIGATIONAL DISTANCES BY MEASURING ANGLE-OF-ARRIVAL
RAC-1155 N63-13746 08-12

REFRACTION CORRECTION OF SHORT NAVIGATIONAL DISTANCES BY MEASURING ATTENUATION
RAC-1163 N63-13747 08-12

DIRECT MEASUREMENT OF INDEX OF REFRACTION - FREQUENCY MEASUREMENTS, TELEMETRY
RAC-1168 N63-13748 08-12

SOLAR CELL DEGRADATION BY PROTON BOMBARDMENT - RADIATION HAZARD N63-15128 11-06

MECHANICAL PROPERTIES OF NICKEL AND COBALT BASE ALLOYS
ESRD-13-10 N63-15463 12-18

SPACECRAFT GUIDANCE - BOUNDARY VALUE PROBLEM
N63-16803 14-29

SPACECRAFT GUIDANCE - VEHICLE MOTION IN MOON AND EARTH GRAVITATIONAL FIELDS N63-16808 14-29

RELIABILITY IN PROCURING ELECTRONIC EQUIPMENT FOR F-105D AIRCRAFT N63-17298 15-09

HYDRAULIC FLUIDS FOR SUPERSONIC TRANSPORT
N63-17838 16-17

THREE BODY PROBLEM BY HAMILTON-JACOBI PERTURBATION THEORY - GUIDANCE SYSTEMS N63-18694 17-29

ABLATION RESISTANCE OF PHENOLIC ASBESTOS LAMINATES FOR FIRE PROJECT HEAT PROTECTIVE SYSTEMS
NASA-CR-50827 N63-19300 18-19

CRACKING IN WELDING AGE HARDENABLE HIGH TEMPERATURE ALLOYS - METALLURGY
ASD-TDR-63-601 N63-19887 19-17

COMPLEX REDUNDANT STRUCTURE ANALYSIS BY FLEXIBILITY METHOD
NASA-CR-50755 N63-19942 19-34

THEORETICAL SOLUTIONS OF TWO-DIMENSIONAL TURBULENT BOUNDARY LAYER BETWEEN TWO REACTING GAS STREAMS
RAC-882A N63-20008 19-11

NICKEL, COBALT BASE ALLOYS - RENE 41, INCONEL 702 - MECHANICAL PROPERTIES
ERSD-13-7 N63-20123 20-3

PERTURBATION THEORY OF TWO-FIXED-CENTER PROBLEM LEADING TO APPROXIMATION OF THREE-BODY PROBLEM
RAC-1645 N63-20760 21-2

RELATIONSHIPS BETWEEN HUMAN ABILITY TO ENDURE PAIN & PERSONALITY, & SENSORY DEPRIVATION
NASA-TN-D-2113 N63-20892 21-1

LOAD MEASUREMENT ON AEROSPACE STRUCTURES - STRAIN MEASURING TECHNIQUE TO DIFFERENTIATE BETWEEN MECHANICAL & THERMAL LOADS
ASD-TDR-63-852, VOL. I N63-22485 23-3

MECHANICAL PROPERTIES OF NICKEL AND COBALT BASE ALLOYS
ESRD 13-13 N63-22870 23-1

SPECTROSCOPIC ANALYSIS OF IMPLODING PLASMA RINGS IN DETONABLE GAS MIXTURES
RAD-865A N63-23777 24-2

REPUBLIC AVIATION CORP., MINEOLA, N.Y.
EVALUATION OF HIGH STRENGTH LIGHTWEIGHT LAMINATED PRESSURE VESSELS OF LAP-JOINT CONSTRUCTION
WAL-TR-766.2/3-2 N63-15760 12-1

HIGH STRENGTH LAMINATED PRESSURE VESSEL OF LAP-JOINT CONSTRUCTION USING MARAGING STEEL AND POLYAMIDE EPOXY RESIN ADHESIVE
RAC-1160 N63-16938 14-3

REPUBLIC STEEL CORP., INDEPENDENCE, OHIO.
FATIGUE CRACK SENSITIVITY AS FUNCTION OF FATIGUE LOAD AND LOADING METHOD IN NOTCHED STEEL SHEET SPECIMENS N63-19034 18-3

RESEARCH ANALYSIS CORP., BETHESDA, MD.
MODES OF INQUIRY AND RESEARCH TASKS FOR GENERAL SYSTEMS ANALYSIS
RAC-TP-72 N63-13139 07-0

RESEARCH TRIANGLE INST., DURHAM, N.C.
VALIDITY CONDITIONS FOR RANDOM-VARIABLE-T IN TWO-WAY CLASSIFICATION WITH UNEQUAL VARIANCES
AROD-2579-13 N63-12095 05-2

TUNABLE RESONANT GALVANOMETER - APPLICATION TO SUB-AUDIO FREQUENCY RANGE N63-13033 07-1

RADIATION DETECTOR USING GEIGER AND SCINTILLATION COUNTER AND CESIUM-ANTIMONY PHOTODETECTOR
ORO-490 N63-15489 12-1

CONSTRUCTION OF BLOCK DESIGNS WITH NUMERICAL ARRAY - FACTORIAL DESIGN OF EXPERIMENTS
AROD-2579-14 N63-18804 18-2

FRACTIONAL REPLICATION IN SPLIT-PLOT EXPERIMENTS
AROD-2579-15 N63-19545 19-0

RESIN RESEARCH LABS., INC., NEWARK, N.J.
ADDITIVE SYNTHESIS FOR IMPROVED THERMOSTABILITY - ELASTOMERIC VULCANIZATES - RUBBER
N63-11317 03-0

SYNTHESIS OF ADDITIVES TO IMPROVE HEAT STABILITY OF ELASTOMERIC VULCANIZATES - SILICONE, DIENE, AN FLUOROCARBON ELASTOMERS N63-16194 13-0

RESOURCES RESEARCH, INC., WASHINGTON, D.C.
BIOCHEMICAL DETECTION OF EXTRATERRESTRIAL LIFE - USE OF RADIOISOTOPIC METABOLIC DETECTION ON MARS
N63-19482 19-1

RETINA FOUNDATION, BOSTON, MASS.
BIOLOGICALLY IMPORTANT POLYANION-ORGANIC CATION COMPLEXES AS ENERGY TRANSFER SYSTEMS
AFCRL-63-426 N63-15952 13-0

CERTAIN BIOLOGICALLY IMPORTANT POLYANION-ORGANIC CATION COMPLEXES AS ENERGY TRANSFER SYSTEMS
AFCRL-63-839 N63-21322 21-1

R. F. D., LTD., GODALMING /GT. BRIT./
AIRCRAFT SAFETY IN OVER-WATER FLIGHTS - TEN YEAR

STUDY N63-14297 10-04

RHEINISCH-WESTFALISCHE TECHNISCHE HOCHSCHULE, AACHEN /W. GERMANY/.
INCOMPRESSIBLE POTENTIAL FLOW IN A PLANE-GRATED CASCADE STAGE
WGL PAPER-73 N63-10065 01-04

GENERAL STRESS DISTRIBUTION IN IMPELLER WHEELS
ASD-TDR-62-1013 N63-16480 14-33

CHEMICAL COMPOSITION, HEATS OF COMBUSTION & MOLECULAR BOND ENERGY OF FUELS - FUEL CONSUMPTION OF OTTO ENGINES N63-18600 17-26

RECRYSTALLIZATION OF SINGLE CRYSTALS OF SILVER, ALUMINUM AND ALUMINUM ALLOYS N63-19713 19-18

PNEUMATIC PYROMETRIC TECHNIQUE - MEASURING APPARATUS N63-20182 20-15

THREE-VENT PROBE FOR MEASURING FLOW FIELD PRESSURE AND TEMPERATURE - MEASURING APPARATUS N63-20183 20-15

RHODE ISLAND U., KINGSTON.
EXTREMELY LOW FREQUENCY MAGNETIC FIELDS - DIURNAL VARIATION
AFCRL-62-734 N63-10147 01-12

RAYLEIGH WAVE TRANSMISSION ON ELASTIC WEDGE - SEISMIC WAVES
AFCRL-63-258 N63-16479 14-23

INORGANIC SUPEROXIDES - HISTORY, PREPARATION, AND STRUCTURE - AIR REGENERATIVE PROPERTIES
NASA-CR-50124 N63-16733 14-07

RICE INST., HOUSTON, TEX.
LOW TEMPERATURE INTERNAL FRICTION IN GOLD AND COPPER N63-14289 10-23

RICE U., HOUSTON, TEX.
MODIFICATION OF BUSEMANN ELLIPSE FOR A REACTING GAS AT SUPERSONIC FLOW N63-10485 01-11

THRUST FROM PARTLY IONIZED MONATOMIC GASES N63-10514 01-27

CRYSTAL STRUCTURE OF VALERIC ACID - HYDROGEN BONDING OF FATTY ACIDS DETERMINED BY X-RAY DIFFRACTION N63-12350 05-07

NONELASTIC STRAIN RECOVERY IN ZINC SINGLE CRYSTALS N63-12615 06-18

PRECIPITATE CLUSTERING IN BINARY ALLOYS - PARTICLE SIZE RELATED TO AGING TIME IN QUENCHED ALLOYS N63-12616 06-18

HIGH TEMPERATURE CALORIMETER AND MEASUREMENTS OF ENTHALPIES OF ALPHA-ALUMINUM OXIDE AND SODIUM CHLORIDE N63-12617 06-07

HYDRATES AT HIGH PRESSURE - METHANE- AND ARGON-WATER SYSTEMS N63-12829 06-07

NEUTRON AND ULTRAVIOLET IRRADIATION ON CATALYTIC ACTIVITY OF MAGNESIUM OXIDE N63-13214 07-07

TEMPERATURE EFFECT ON MICROYIELD POINTS IN PRESTRAINED MAGNESIUM SINGLE CRYSTALS N63-14204 09-18

CRYSTAL STRUCTURE OF PROPIONIC ACID BY X-RAY DIFFRACTION N63-15354 12-07

THEORY OF DISLOCATION HYSTERESIS WITH APPLICATION TO DAMPING MEASUREMENTS IN MAGNESIUM SINGLE CRYSTALS N63-16704 14-18

INTERNAL FRICTION AND DYNAMIC MODULUS OF GOLD, COPPER, SILVER AND PLATINUM N63-16705 14-18

QUENCHED-IN RESISTIVITY IN DILUTE ALLOYS
NASA-CR-50210 N63-17205 15-18

INTERNAL FRICTION PEAKS IN SILVER AND PLATINUM AT LOW TEMPERATURE - CRYSTAL STRUCTURE
NASA-CR-50211 N63-17338 15-23

TENSION YIELD POINT OF DISLOCATION IN ATMOSPHERE OF IMPURITY ATOMS
NASA-CR-50498 N63-18179 16-33

RESEARCH IN SOLID STATE PHYSICS, PHYSICAL METALLURGY AND PHYSICAL CHEMISTRY
NASA-CR-50456 N63-18400 17-25

PRANDTL-MEYER FLOW OF PURE, MONATOMIC GAS, INCLUDING IONIZATION AND RECOMBINATION EFFECTS
NASA-CR-51556 N63-21847 22-11

CATALYTIC ACTIVITY OF VYCOR GLASS TUBE FOR HYDROGEN-DEUTERIUM EXCHANGE REACTION N63-21978 22-23

RITCHIE AND ASSOCIATES, INC., DAYTON, OHIO.
INFORMATION ORGANIZATION FOR OPERATOR UNDERSTANDING OF CONTROL-DISPLAY DESIGN IN MANNED SPACE SYSTEM DEVELOPMENT N63-23216 24-30

ROBERT E. FULTON, CO., NEWTOWN, CONN.
RETRACTABLE YOKE CONSTRUCTION FOR FULTON SKYHOOK ON ARMY TYPE CV2B CARIBOU AIRCRAFT
TRECOM-TR-63-51 N63-21834 22-04

ROBERTSHAW-FULTON CONTROLS CO., ANAHEIM, CALIF.
GROUND-AIR-GROUND DIGITAL COMMUNICATIONS SYSTEM DATA LINK - MULTILOK HIGH SPEED DATA MODEM-6005 N63-16493 14-09

ROCHESTER U., N.Y.
ENERGY DEPENDENCE OF FRAGMENTATION OF COSMIC RAY NUCLEI IN INTERSTELLAR SPACE
NYO-10249 N63-10873 02-28

PHOTOGRAPHIC SPECTROPHOTOMETRY OF SHORT DURATION LIGHT PULSES
DASA-1332 N63-11406 03-23

DEVICE FOR MEASUREMENT OF THORON IN THE BREATH
UR-619 N63-11844 04-16

TISSUE INJURY REPAIR RATE AND IRREPARABILITY DURING PROTRACTED EXPOSURE OF MICE TO IONIZING RADIATION
UR-621 N63-11845 04-16

PARASTATISTIC CONNECTION WITH SPIN AND TPC THEOREM FOR GENERAL FIELD THEORY
NYO-10241 N63-11865 04-23

COMPUTER PROGRAM FOR OPTICAL SYSTEM ANALYSIS AND LENS DESIGN AND CORRECTION N63-12809 06-23

ABSORPTION AND REFLECTION OF LITHIUM FLUORIDE AND SELENIUM IN EXTREME VACUUM ULTRAVIOLET AND/OR SOFT X-RAY REGIONS
AROD-2588-3 N63-13053 07-23

DESIGN OF QUADRUPOLE CHANNEL TO CONTAIN EXTERNAL PARTICLE ACCELERATOR BEAM
NYO-10251 N63-13320 07-23

PROTON AND NEUTRON ANGULAR DISTRIBUTIONS OF THE CARBON-13/NITROGEN-14 AND CARBON-13/CARBON-14 REACTIONS BETWEEN 3.2 AND 4.1 MEV
NYO-10252 N63-13321 07-23

IRREDUCIBLE REPRESENTATIONS OF GENERALIZED OSCILLATOR OPERATORS USED IN FIELD QUANTIZATION
NYO-10253 N63-13322 07-23

QUANTUM ELECTRODYNAMICS WITHOUT ELECTROMAGNETIC FIELD
NYO-10255 N63-13323 07-23

NEW SERIES FOR PHASE SHIFT IN POTENTIAL SCATTERING
NYO-10256 N63-13324 07-23

PRINCIPLES OF CLASSICAL DYNAMICS - MOTION EQUATION
NYO-10250 N63-14060 09-23

NATURE AND INTERDEPENDENCE OF AXIOMS OF RELATIVISTIC QUANTUM FIELD THEORY
NYO-10258 N63-14215 09-23

THREE-PHOTON DECAY OF POSITRONIUM IS STATE AS TEST OF CHARGE CONJUGATION INVARIANCE
NYO-10259 N63-14325 10-23

RELATIONSHIPS OF RELATIVE DECAYS IN CERTAIN RESONANCES IN THEORIES WITH BROKEN SYMMETRY
NYO-10260 N63-14326 10-23

OPTICAL PROPERTIES OF LIUMOGEN - A PHOSPHOR FOR WAVELENGTH CONVERSION N63-14374 10-23

POSSIBLE EFFECTS OF WEIGHTLESSNESS ON CALCIUM METABOLISM IN MAN - SKELETAL RAREFACTION AND HYPERCALCURIA
UR-622 N63-14497 10-16

PION-PROTON ELASTIC SCATTERING - PHASE SHIFT ANALYSIS
NYO-10257 N63-14809 11-23

RADIOMETRY OF CURVED MIRROR GAS BEAM LASERS
AROD-3309-2 N63-15737 12-23

REPRESENTATION OF PARAFERMI RINGS - PARASTATISTICS OF OSCILLATORS
NYO-10262 N63-16022 13-23

TYPES OF SPARK COUNTERS APPLICABLE TO NEUTRON SPECTROMETRY
NYO-10261 N63-16378 14-15

ESTIMATE OF NEUTRON ALBEDO ON MOON SURFACE DUE TO COSMIC RAY BOMBARDMENT
NYO-10265 N63-16459 14-28

PHI MESON AND UNITARY SYMMETRY MODEL
NYO-10264 N63-16568 14-23

CLASSICAL MECHANICS - HAMILTONIAN PARTICLE MOTION
NYO-10263 N63-16778 14-24

TRANSFER OF ENERGY FROM BENZENE TO BIACETYL
N63-17011 15-07

COMMON PATH INTERFEROMETER FOR TESTING LARGE OPTICS - BEAM SPLITTING BY FRESNEL DIFFRACTION
NASA-CR-50413 N63-17958 16-15

COULOMB SCATTERING IN NUCLEAR RESEARCH EMULSION
NYO-10271 N63-18070 16-23

NUCLEAR INTERACTION OF 900 MEV ALPHA PARTICLES IN STUDY OF HELIUM NUCLEI AS PROJECTILES
NYO-10269 N63-18146 16-23

ELASTIC WAVE PROPAGATION IN SOLIDS AT MICROWAVE FREQUENCIES - ACOUSTICS N63-18240 17-23

PATHO-PHYSIOLOGIC ASPECTS OF RADIATION NEPHRITIS IN DOGS
UR-626 N63-18825 18-16

EFFECT OF EQUATIONS CHARACTERISTIC OF LORENTZ TRANSFORMATIONS ON QUANTUM MECHANICAL THEORY OF SPINNING PARTICLES
NYO-10270 N63-19230 18-23

WEYL REFLECTIONS IN THE UNITARY SYMMETRY THEORY OF STRONG INTERACTIONS - NUCLEAR PHYSICS AND PARTICLE THEORY
NYO-10266 N63-19288 18-23

RELATIVISTIC ANGULAR CORRELATION THEORY OF SUCCESSIVELY DECAYING PARTICLES
NYO-10267 N63-19289 18-23

SU-SUB-3 INVARIANCE ANALYSIS - MESON PRODUCTION, PARTICLE INTERACTIONS, NUCLEAR PHYSICS
NYO-10268 N63-19290 18-23

TEST CHAMBER FOR STUDYING AIRBORNE MATERIALS - TOXICITY AND AEROSOL RESEARCH
UR-629 N63-19523 19-10

RADIATION EFFECTS ON HEARTS OF DOGS
UR-625 N63-19635 19-16

RADIATION BIOLOGY EXPERIMENTS
UR-627 N63-19811 19-16

ETIOLOGY OF VOMITING DURING WEIGHTLESS MANEUVER - MOTION SICKNESS N63-19831 19-16

MODULATION OF COSMIC RAY NUCLEI DURING PROPAGATION
NYO-10273 N63-20421 20-28

APPLICATIONS OF GROUP THEORY TO STRONG PARTICLE INTERACTION - SYMMETRY SCHEME FOR ISOTOPIC SPIN
NYO-10274 N63-20770 21-23

HAMILTONIAN THEORY OF INTERACTING PARTICLES SATISFYING LORENTZ INVARIANCE PRINCIPLE
NYO-10276 N63-20785 21-23

ELECTROMAGNETIC PROPERTIES OF PARTICLES AND RESONANCES ACCORDING TO UNITARY SYMMETRY THEORY
NYO-10277 N63-20786 21-23

EFFECT OF IONIZATION LOSS ON PRIMARY COSMIC RAY ENERGY SPECTRUM
NYO-10240 N63-21108 21-28

HAMILTONIAN MODEL OF LORENTZ INVARIANT PARTICLE INTERACTIONS - QUANTUM MECHANICS
NYO-10275 N63-21205 21-23

ISOTOPIC ANALYSIS OF PRIMARY COSMIC RADIATION
NYO-10243 N63-21242 21-28

CAPTURE OF NEGATIVE PIONS FROM REST BY LIGHT NUCLEI INVESTIGATED BY MEANS OF SHELL MODEL CALCULATION
NYO-10278 N63-21699 22-23

MOMENTUM SPECTRUM OF SECONDARY SHOWER PARTICLES FROM HIGH ENERGY ATOMIC COLLISIONS
URPA-2 N63-22473 23-23

EQUIVALENCE OF THE MAJORANA AND TWO COMPONENT THEORIES OF THE NEUTRINO
URPA-3 N63-22474 23-23

ANGULAR CROSS SECTIONS FOR HELIUM-3 & HELIUM-4 REACTIONS AT VARYING BOMBARDING ENERGIES
NYO-9539 N63-22835 23-23

BIBLIOGRAPHY - ENDOCRINE RESPONSE TO IONIZING RADIATION
UR-610 N63-22916 23-16

POPULATION DENSITY EFFECT ON SURVIVAL TIME AND/OR RATES IN MALE RATS FOLLOWING WHOLE BODY X-RAY IRRADIATION
UR-631 N63-22917 23-16

ELECTRONIC SPECTRA OF POLYATOMIC MOLECULES - METHOD FOR STUDYING FLUORESCENT EMISSION
N63-23083 24-23

ROCK ISLAND ARSENAL, ILL.
INSTRUMENTATION FOR DYNAMIC DATA ACQUISITION ON ARTILLERY AND ROCKET LAUNCHER WEAPONS - TRANSDUCERS AND RECORDERS N63-16606 14-15

ROCK ISLAND ARSENAL LAB., ILL.
ORGANIC COATING BY THE FLUIDIZED BED TECHNIQUE
RIA-62-3183 N63-10162 01-17

WEAR AND CORROSION DUE TO ADDITION OF MOLYBDENUM DISULFIDE TO GREASES
RIA-62-2752 N63-10787 02-17

INTERNAL POLYMERIZATION OF TWO MONOMERS IN THREE TYPES OF PAPER
RIA-62-3289 N63-11447 03-19

POLYMERIZATION IN CELLULOSE - EXCHANGE REACTION BETWEEN CALCIUM AND CARBOXYL GROUPS IN CELLULOSE - STRENGTH PERFORMANCE
RIA-62-554 N63-11494 03-07

SURFACTANT AND MOLECULAR SIEVE EVALUATION FOR IMPROVED DEOXYGENATION PACKET FOR CORROSION PREVENTION
RIA-62-3441 N63-13117 07-17

TRANSPARENT SKIN AND BLISTER PACKAGING - LAMINATES

RIA-62-3600 N63-13118 07-17

SYNTHESIS OF SILCARBANE POLYMERS FOR HIGH TEMPERATURE RESISTANCE
RIA-62-4162 N63-13119 07-07

POLYMERIZATION OF ALLYL MONOMERS BY MEANS OF GAMMA RADIATION
RIA-62-4163 N63-13120 07-07

UTILIZATION OF ADDITIVES IN MULTIPURPOSE GREASE FOR IMPROVING RUST AND CORROSION PREVENTION PROPERTIES
RIA-63-313 N63-14652 10-17

EFFECT OF STORAGE FOR 18 MONTHS ON LUBRICATING GREASE COMPATIBILITIES
RIA-63-88 N63-14653 10-17

EFFECT OF CURE CONDITION ON WEAR LIFE AND CORROSION PROTECTION OF RESIN-BONDED SOLID FILM LUBRICANT
RIA-63-959 N63-15897 13-17

COMPRESSION SET OF ELASTOMERS AT ELEVATED TEMPERATURES
RIA-63-798 N63-16249 13-19

SYNTHESIS AND EVALUATION OF POLYURETHANE ELASTOMERS
RIA-63-1242 N63-17532 16-07

EFFECT OF METAL HARDNESS AND SURFACE FINISH UPON FRETTING CORROSION
RIA-63-1835 N63-17930 16-18

TECHNIQUES TO COAT BIMETAL JOINT USING METAL FLAME-SPRAY METHOD TO PREVENT GALVANIC CORROSION
RIA-63-1419 N63-18283 17-17

CORROSION PREVENTION COMPOUNDS FOR FERROUS AND NONFERROUS METALS IN STORAGE
RIA-63-1836 N63-19497 19-17

ELASTOMERS FOR POTENTIAL USE AT CRYOGENIC TEMPERATURES
RIA-63-1573 N63-19809 19-19

PHYSICAL PROPERTIES OF VULCANATES BASED ON NITRILE-BUTADIENE RUBBER AND STYRENE RUBBER BLENDS
RIA-TR-63-1574 N63-19844 19-19

MULTIMETAL PROTECTIVE COATING PROCESS FOR COMPOSITE STEEL, MAGNESIUM AND ALUMINUM STRUCTURES
RIA-63-1651 N63-19920 19-17

EFFECT OF MOISTURE & ATMOSPHERIC CONTAMINANTS ON CORROSION
RIA-63-2041 N63-22437 23-17

TRANSPARENT COMPOSITE PLASTIC FILMS FOR MILITARY PACKAGING
RIA-63-2482 N63-22822 23-19

AGING OF ELASTOMERIC VULCANIZATES
RIA-63-2392 N63-22823 23-19

POLYETHER URETHANE VULCANIZATES & ENVIRONMENTAL TESTING UNDER CONDITIONS OF HIGH HUMIDITY
RIA-63-2808 N63-23002 24-17

ROCKET POWER, INC., MESA, ARIZ.

PYROTECHNIC OUTDOOR WARNING SYSTEM - DESIGN PHASE USING PROPELLANT ACTUATED DEVICES
N63-16785 14-10

ROCKET POWER, INC., PASADENA, CALIF.

THERMODYNAMICS OF SEVERAL LIGHT METAL OXIDES, HALIDES AND OXYHALIDES
OR-3530-2 N63-11573 04-07

THERMODYNAMIC PROPERTIES OF ROCKET ENGINE EXHAUST - BERYLLIUM COMPOUNDS
N63-12487 06-07

THERMODYNAMICS OF LIGHT METAL OXIDES, HALIDES AND OXYHALIDES
N63-16584 14-23

ROCKET ENGINE EXHAUST SYSTEMS - COMBUSTION PRODUCTS
QR-7414-7 N63-16870 14-26

THERMODYNAMIC PROPERTIES OF LIGHT METAL OXIDES, HALIDES & OXYHALIDES
N63-18886 18-07

ROCKET PROPULSION ESTABLISHMENT, WESTCOTT /GT. BRIT./

COMBUSTION STABILITY TESTS OF SOLID PROPELLANTS BY OSCILLATORY STRAND BURNER
N63-15586 12-26

COMBUSTION INSTABILITY OF SOLID PROPELLANTS - STABILITY GRADING
RPE-TN-263 N63-19101 18-26

ROCKETDYNE, CANOGA PARK, CALIF.

LIGHTWEIGHT, SEGMENTED ROCKET MOTOR CASES EMPLOYING FIBERGLAS
R-3703-2 N63-10144 01-17

STATISTICAL DESIGN - OPTIMIZING BY MINIMIZING A LOSS FUNCTION
ARL-62-373, PT. 1 N63-10287 01-20

THE DECISION THEORY OF APPROACH TO MULTIFACTORIAL EXPERIMENTS
ARL-62-373, PT. II N63-10288 01-20

HUMAN PERFORMANCE IN THE ATLAS ENGINE MAINTENANCE AREA
ROM-2181-1002 N63-10546 01-14

CONDENSING VAPOR LUBRICATED SELF-ACTING JOURNAL BEARINGS, HEAT TRANSFER MODEL
R-3911 N63-10947 02-17

EVALUATION OF PROPELLANTS FOR MOLECULAR AND COLLOIDAL ION ELECTRICAL PROPULSION ENGINES
ASD-TR-61-150, PT. II N63-11569 04-26

MODEL MA-5 ROCKET ENGINE PROPULSION SYSTEM
R-2850AS N63-11759 04-27

FLUORINE CHEMISTRY
R-334-20 N63-11831 04-07

TESTING NONMETALLIC MATERIALS AT CRYOGENIC TEMPERATURES - FEB. 1961 TO SEPT. 1962
R-3498 N63-12069 05-19

THERMOCHEMISTRY - HYBRID COMBUSTION
R-2267-8 N63-12123 05-26

DEVELOPMENT OF LIGHTWEIGHT, SEGMENTED ROCKET MOTOR CASES FROM FIBERGLASS
R-3703-3 N63-12324 05-27

REFRACTORY MATERIALS FOR ADVANCED ROCKET ENGINE COMPONENTS
R-3350-3 N63-12944 07-18

MATHEMATICAL TABLES OF PROBABILITY DENSITY OF NONCENTRAL T-DISTRIBUTION - STATISTICS
ARL-63-19 N63-15225 11-20

TRANSIENT METHOD OF MEASURING ACOUSTIC IMPEDANCE OF SOLID PROPELLANT - COMBUSTION INSTABILITY
N63-15584 12-26

MISSILE SYSTEM SAFETY - AN EVALUATION OF SYSTEM TEST DATA /ATLAS MA-3 ENGINE SYSTEM/
R-5135 N63-15902 13-14

ELECTROLYSES IN ANHYDROUS HYDROGEN FLUORIDE SYSTEMS - HF-NITROUS OXIDE, HF-NITROGEN TETROXIDE, NITRIC OXIDE
R-5077 N63-15917 13-07

PLEXIGLAS COMBUSTION TEMPERATURE MEASUREMENTS - BURNING RATES OF POLYSTYRENE, ALUMINUM, ALUMINUM HYDRIDE AND POLYETHYLENE
R-5179 N63-16188 13-26

ALKALI METAL LUBRICANTS FOR JOURNAL BEARINGS IN SPACE POWER SYSTEM
N63-17851 16-17

THRUST AND IMPULSE REQUIREMENTS FOR SPACECRAFT ATTITUDE CONTROL FOR INTERPLANETARY TRANSFER MISSIONS

AIAA PAPER-63-237 N63-17920 16-30

ONSET OF DETONATION IN HETEROGENEOUS FIELD OF LOW VOLATILITY FUEL DROPLETS N63-18549 17-26

MODEL CHAMBERS FOR LIQUID PROPELLANT ROCKET ENGINE COMBUSTION PROCESSES N63-18590 17-26

VIBRATIONS OF ORTHOTROPIC THICK CYLINDRICAL SHELLS
R-5273 N63-19097 18-33

SELF-COOLED ROCKET ENGINE NOZZLES
R-3853-3 N63-19139 18-13

REGRESSION EXPERIMENTS FOR EXPANSIBLE-CONTRACTIBLE DESIGN, AUTOCORRELATION ERROR EXPERIMENTS, DYNAMIC PROGRAMMING, DECISION THEORY - RELIABILITY GROWTH
ARL-63-107 N63-20825 21-20

MECHANICAL AND PHYSICAL PROPERTIES OF FUSION WELDED INVAR 36-IRON-NICKEL ALLOY
MPTR-2-251-1 N63-21234 21-19

TRANSIENT TEMPERATURE HISTORY WITH UNIFORM ENERGY GENERATION FOR PLATE, CYLINDER & SPHERE
N63-22317 23-13

ROHM AND HAAS CO., HUNTSVILLE, ALA.
DEVELOPMENT OF A HOT GAS VALVE
S-37 N63-10545 01-17

CALORIMETER FOR THE SPECIFIC HEAT OF SOLID PROPELLANTS
P-62-20 N63-10866 02-15

CONFORMAL MAPPING AND STRESS DETERMINATION IN SOLID PROPELLANT ROCKET GRAINS
S-38 N63-14303 10-26

INTERACTION OF ACOUSTIC OSCILLATORY PRESSURE FLUCTUATION WITH BURNING OF SOLID COMPOSITE PROPELLANTS - ANALYSIS OF COMBUSTION INSTABILITY
N63-15035 11-26

DEFORMATION OF SOLID PROPELLANT GRAINS UNDER AXIAL ACCELERATION LOADS
P-62-27 N63-15893 13-26

DEFORMATION AND STRESS CALCULATIONS FOR AXIALLY ACCELERATED CASE-BONDED SOLID PROPELLANT GRAINS OF FINITE LENGTH N63-15894 13-26

DEFORMATION OF SOLID, VISCOELASTIC, CYLINDERS - PROPELLANT GRAINS OF INFINITE LENGTH AND ARBITRARY CROSS SECTION UNDER AXIAL ACCELERATION LOADS
N63-15895 13-26

MECHANICAL PROPERTIES OF SOLID PROPELLANTS AND APPROXIMATE LAPLACE TRANSFORM INVERSION METHODS IN VISCOELASTIC STRESS ANALYSIS
P-63-13 N63-20547 20-26

ROLLS-ROYCE LTD., LITTLEOVER, /GT. BRIT./
FUEL SYSTEM FOR JET ENGINE AFTERBURNER USING WATER TRAVERSE TECHNIQUE N63-18583 17-26

ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, N.Y.
PROPERTIES AND TRANSFORMATIONS OF SINGLE THRESHOLD ELEMENT FUNCTIONS
RADC-TDR-62-449 N63-10463 01-20

SATELLITE LOOK ANGLE CALCULATOR FOR SATELLITE TRACKING AND CONFIGURATIONS
RADC-TDR-62-391 N63-10464 01-08

HIGH FREQUENCY PROPAGATION SIMULATION
RADC-TDR-62-473 N63-10552 01-12

SULFUR HEXAFLUORIDE IN HIGH-POWER MICROWAVE SYSTEMS, DIELECTRICS, WAVEGUIDES
RADC-TDR-62-443 N63-10902 02-08

COOLING TECHNIQUES, THERMOELECTRIC, ULTRASONICS, CRYOGENICS
RAS-TM-62-6 N63-10946 02-13

SPACE SURVEILLANCE SYSTEM EVALUATION BY A METHOD OF PHOTOGRAMMETRIC RESECTION
RADC-TDR-62-442 N63-11356 03-20

OPTIMUM DETECTOR FOR FREQUENCY SHIFT KEYED TRANSMISSION THROUGH A RAYLEIGH FADING CHANNEL
RADC-TDR-62-554 N63-11410 03-0[illegible]

LOW FREQUENCY BREAKDOWN OF DIELECTRIC GASES - SULFUR HEXAFLUORIDE
RADC-TDR-62-585 N63-12787 06-1[illegible]

NONUNIFORM SECTION OF COAXIAL TRANSMISSION LINE AS IMPEDANCE MATCHING NETWORK FOR MICROWAVE FREQUENCIES
RADC-TDR-63-17 N63-12954 07-09

FLOW CALORIMETERS FOR 4-MM AND 2-MM WAVELENGTH RANGE
RADC-TDR-62-600 N63-13008 07-1[illegible]

TUNNEL DIODE REFLECTION AMPLIFIERS FOR ANTENNA ARRAY OF BROADBAND COAXIAL DIPOLES
RADC-TDR-63-4 N63-13147 07-09

STORAGE, RETRIEVAL, AND UTILIZATION OF COMPUTER PROGRAMS FROM SERVICE ROUTINE LIBRARY
RAW-TM-63-2 N63-13204 07-20

GUIDANCE ANALYSIS OF EARTH-MOON LIBRATION POINT VEHICLE, BURNOUT ERROR, MIDCOURSE GUIDANCE
RAL-TM-63-2 N63-13436 08-29

RADAR CLUTTER MAP FOR USE IN AIRCRAFT DETECTION
RAL-TM-63-4 N63-13797 09-08

CHARACTERISTICS OF ELECTROMAGNETIC WAVE IN PRESENCE OF IONIZED MEDIUM - SHOCK FRONTS, CONTACT SURFACES, AND PLASMA PROFILE
RADC-TDR-63-18 N63-13817 09-24

LOW FREQUENCY HOMING BEACON TRANSMITTER FOR JUNGLE JIM PROJECT - AIR TRAFFIC CONTROL
RAL-TM-63-1 N63-14770 11-08

ELECTRONIC SCANNING AS APPLIED TO PHASE ARRAY RADAR - ANTENNA SYSTEM
RAL-TM-63-5 N63-15385 12-09

NAVIGATION SYSTEM - APPROACH AND LANDING CONTROL
RADC-TDR-63-166 N63-16546 14-22

RELIABILITY THEORY FOR NONELECTRONIC APPARATUS AND MECHANICAL SYSTEMS
RAS-TM-63-2 N63-16788 14-17

STATISTICS IN ELECTRONIC EQUIPMENT AND CIRCUIT ANALYSIS - DESIGN
RADC-RAS-TM-63-3 N63-16973 14-17

COGNITIVE HYBRID INTELLIGENT LEARNING DEVICE /CHILD/ - ARTIFICIAL INTELLIGENCE
RADC-TDR-63-228 N63-18170 16-09

ULTRAHIGH FREQUENCY POWER AMPLIFIER TUBES - PEAK CATHODE EMISSION AND MAXIMUM RADIO FREQUENCY OUTPUT, 200 MICROSECONDS PULSE DURATION
RADC-RAL-TM-63-8 N63-18376 17-09

OPTIMIZATION OF ELECTROMAGNETIC ENERGY RECEPTION FROM WAVE WITH POLARIZATION CHARACTERISTICS UNKNOWN OR INCONSTANT
RADC-RAL-TM-63-9 N63-18377 17-09

GYROMAGNETIC AND FERROMAGNETIC RESONANCE - RELATIONSHIP OF SPECTROSCOPIC SPLITTING FACTOR TO MAGNETOMECHANICAL RATIO USING PERTURBATION THEORY
RADC-RAW-TM-63-6 N63-18378 17-23

IMAGE ENHANCEMENT AID TO RECONNAISSANCE OR PHOTO INTERPRETATION - VISUAL PERCEPTION
N63-19250 18-14

PICTORIAL DISPLAY FOR AERIAL RECONNAISSANCE - PHOTOGRAPH INTERPRETATION BY VISUAL PERCEPTION
N63-19252 18-15

HIGH POWER X-BAND GENERATOR STUDY - MICROWAVE TUBE TECHNIQUES
RADC-RAL-TM-63-7 N63-19622 19-09

NUMERICAL SOLUTIONS OF LINEAR INTEGRAL EQUATIONS USING ON-LINE COMPUTATION - COMPUTER METHOD

RADC-TDR-63-307 N63-19881 19-20

AIRBORNE RADIO RELAY COMMUNICATION SYSTEM
RADC-TDR-63-278 N63-19927 19-08

HARMONIC GENERATION IN PLASMAS
RADC-TDR-63-288 N63-19928 19-24

PHYSICS OF FAILURE PROGRAM - ELECTRONIC COMPONENT RELIABILITY
RAS-TM-62-2 N63-20279 20-01

DIGITAL SEQUENCE APPLICATION TO COMMUNICATION SYSTEMS - LINEAR AND NONLINEAR FILTER SEQUENCE
RADC-TDR-63-314 N63-20801 21-08

ELECTRONIC EVALUATION COMPARED TO ARTICULATION TESTING OF VOICE COMMUNICATIONS SYSTEMS
RADC-TDR-63-355 N63-21675 22-08

RADIO FREQUENCY INTERFERENCE FROM HIGH POWER SOURCES
RADC-TDR-63-287 N63-21677 22-09

ELECTRON RESONANCE SPECTROMETER UTILIZING GENERALIZED FEEDBACK MICROWAVE OSCILLATOR
RADC-TDR-63-297 N63-22067 22-09

HIGH SPEED, FOUR-WIRE CIRCUIT SWITCHING EQUIPMENT FOR UNIVERSAL USE IN TACTICAL AND FIXED PLANT ENVIRONMENTS - COMMUNICATION SYSTEM
RADC-TDR-63-298 N63-22068 22-09

SURVEYING TECHNIQUES FOR MEASURING AXIAL DISTANCE BETWEEN TWO ANTENNAS
RADC-RAL-TM-63-11 N63-22223 23-08

INTERACTION OF HIGH INTENSITY ELECTROMAGNETIC FIELD OF MICROWAVE FREQUENCY WITH LOW DENSITY PLASMA
RADC-TDR-63-240 N63-22404 23-24

SYNCHRONIZATION OF FIELD INTENSITY MEASURING APPARATUS WITH TEST RADAR
RADC-RAU-TM-63-3 N63-22516 23-09

CYCLING IN TRANSPORTATION PROBLEM - LINEAR GRAPHS
RADC-RAU-TM-63-5 N63-22517 23-20

GENERATION OF ERROR VECTORS IN DIGITAL SYSTEMS
RADC-RAU-TM-63-6 N63-23001 24-20

FAILURE OF TRANSISTORS USED IN VARIOUS SOLID-STATE CIRCUITS
RADC-RAS-TM-63-5 N63-23661 24-09

ELECTRICAL EQUIVALENT CIRCUIT OF ELECTROLUMINESCENT PANELS
RADC-RAS-TM-63-6 N63-23740 24-09

ROME U. /ITALY/.
MODAL RESPONSE IN COMPLEX PLANE OF PROPAGATION CONSTANT IN RECTANGULAR GUIDE WITH TRANSVERSELY MAGNETIZED LOSSLESS FERRITE N63-15066 11-09

MOBILITY OF NEGATIVE IONS IN HELIUM II LIQUID AS FUNCTION OF DIRECTION & LIQUID ROTATION N63-23178 24-24

RESONANT STATES IN SCATTERING OF K MESONS & HYPERONS N63-23461 24-23

NUCLEON-NUCLEON COLLISIONS N63-23462 24-23

RONSON METALS CORP., NEWARK, N.J.
MECHANISM OF GETTERING - REACTIONS OF CERALLOY 400 AND TITANIUM WITH CARBON DIOXIDE AND NITROGEN
AFCRL-63-7 N63-13427 08-23

ROYAL AERONAUTICAL SOCIETY, LONDON /GT. BRIT./
RAPID ESTIMATION METHOD FOR SPANWISE LOAD DISTRIBUTION OVER UNTWISTED WINGS IN SUBCRITICAL AIR FLOW DUE TO INCIDENCE CHANGE
TD MEMO-6208 N63-13707 08-03

ROYAL AIR FORCE, FARNBOROUGH /GT. BRIT./
THERMAL INSULATION IMPROVEMENT DUE TO AIR FLOW THROUGH MATERIAL - AIR-VENTILATED SUIT
FPRC/1202 N63-11811 04-13

IMPACT STUDIES IN GREAT BRITAIN N63-12870 07-16

CONTACT LENS PHOTOELECTRIC EYE MOVEMENT RECORDING SYSTEM
FPRC/MEMO-162 N63-18820 18-16

OPTICAL PICKOFF FOR SERVOMECHANISM USED ON SATELLITE ALTITUDE CONTROL SYSTEM
RAE-TN-SPACE-17 N63-21162 21-06

FACTORS AFFECTING HUMAN VISION DURING VEHICULAR VIBRATION N63-23257 24-14

ROYAL AIRCRAFT ESTABLISHMENT, BEDFORD /GT. BRIT./
HELICOPTER DYNAMIC LOADS IN REFERENCE TO HIGH BLADE INCIDENCE PROBLEMS OF HELICOPTER ROTORS N63-21291 21-02

ROYAL AIRCRAFT ESTABLISHMENT, FARNBOROUGH /GT. BRIT./
AERODYNAMIC DEVELOPMENT OF THIN WINGS FOR SUPERSONIC AIRCRAFT
WGL PAPER-5 N63-10004 01-03

ANISOTROPY OF THE SKIN IN RESPECT TO THERMO-CONDUCTIVITY
RAE-TRANS-1011 N63-10467 01-16

SIMILARITY REQUIREMENT IN AEROTHERMOELASTIC TESTS ON SCALE MODELS N63-11065 03-33

NONEQUILIBRIUM EFFECTS AND THE FLOW OF AN IDEAL DISSOCIATING GAS ABOUT A CONVEX ANGLE CORNER
RAE-TRANS-1012 N63-11404 03-11

SOVIET ANALYSIS OF OBSERVATIONS OF SPUTNIK III DERIVATION OF ORBITAL ELEMENTS
RAE-TRANS-998 N63-11917 04-08

ORBIT CALCULATIONS OF SATELLITES
RAE-TRANS-1015 N63-12029 05-29

ORBIT CALCULATIONS OF SPUTNIK II SATELLITE
RAE-TRANS-1016 N63-12030 05-29

STRAIN MEASUREMENTS ON ALUMINUM-COPPER-MAGNESIUM ALLOY PLATES LOADED IN TENSION
RAE-TRANS-996 N63-12112 05-33

EXPERIMENTS ON MAN - LEGAL AND MEDICAL PROBLEMS INVOLVED
RAE-TRANS-1017 N63-13130 07-01

CRYSTALLIZATION OF NATURAL RUBBER
RAE-TRANS-1021 N63-13690 08-07

STABILITY OF RIGID ROTOR SYSTEMS FOR HELICOPTERS
RAE-TRANS-1020 N63-13702 08-03

AERODYNAMICS OF LOADED HELICOPTER ROTOR FROM THREE-DIMENSIONAL VORTEX SYSTEM
RAE-TRANS-1013 N63-13724 08-03

PHYSICO-METEOROLOGICAL PRINCIPLES OF BAROMETRIC HEIGHT MEASUREMENT - ALTIMETRY
RAE-TRANS-1018 N63-13725 08-21

SPHERE OF INFLUENCE CONCEPT APPLIED TO SPACE FLIGHTS - DISCUSSION OF OPTIMUM LAUNCH DATES AND TIMES, INITIAL VELOCITIES AND FLIGHT CONDITIONS
RAE-TRANS-1019 N63-13952 09-29

DISCRIMINATION OF ALTERNATING & DIRECT CURRENTS - LINE DISTRIBUTION UTILIZING EARTH AS ALTERNATING CURRENT CONDUCTOR
RAE-TRANS-1023 N63-13953 09-12

WING FLUTTER - AEROELASTICITY N63-14116 09-33

FLUTTER OF POWERED CONTROLS AND OF ALL-MOVING TAIL PLANES - AEROELASTICITY N63-14118 09-33

APPROXIMATE FORMULAS FOR FLUTTER PREDICTION - AEROELASTICITY N63-14120 09-20

PHOTOELASTICITY AND MECHANICAL STRESS MEASUREMENTS OF ARALDITE-B

RAE-TRANS-1022 N63-14335 10-33

PRELIMINARY ORBITAL ELEMENTS OF SPUTNIK IV CABIN - VISUAL TRACKING
RAE-TRANS-1025 N63-14336 10-08

AUTOMATIC INTERPLANETARY STATION MARS I LAUNCHED BY SOVIETS
RAE-TRANS-1026 N63-14356 10-29

COLLISION AND CAPTURE TRAJECTORIES IN THREE-BODY PROBLEM
RAE-TRANS-1024 N63-15435 12-29

ORBITAL ELEMENTS OF SPUTNIK IV CABIN
RAE-TRANS-1029 N63-15554 12-32

ELECTROCHEMICAL OXIDATION AND DISSOLUTION OF MOLYBDENITE
RAE-TRANS-1030 N63-15555 12-07

PEGASUS COMPUTER PROGRAM FOR PREPARATION OF EPHEMERIDES OF EARTH-SATELLITE
RAE-TN-SPACE-23 N63-15734 12-32

DETERMINATION OF UPPER ATMOSPHERE DENSITY FROM CHANGES IN SATELLITE ORBITS AND METEOROLOGICAL INSTRUMENTS CARRIED ON SATELLITES
RAE-TRANS-1027 N63-16024 13-32

ATMOSPHERIC TURBULENCE - ITS STRUCTURE AND CAUSES AND RELATION TO AIRCRAFT DESIGN AND PERFORMANCE
N63-16812 14-01

ATMOSPHERIC TURBULENCE CONSIDERATIONS IN AIRCRAFT DESIGN ENGINEERING AND EFFECTS OF TURBULENCE ON FLIGHT N63-16813 14-11

ATMOSPHERIC TURBULENCE - GUST LOADS ON AIRCRAFT - PERFORMANCE CRITERIA, FATIGUE CALCULATIONS, AND LOAD LIMITS N63-16821 14-02

AIRCRAFT PERFORMANCE IN ATMOSPHERIC TURBULENCE - RESPONSE ASSESSMENT BY DISCRETE GUST AND SPECTRAL METHODS N63-16822 14-02

VOLTAGE DIFFERENTIAL EQUATIONS OF THREE PHASE SALIENT POLE MACHINE RUNNING AT SYNCHRONOUS SPEED - APPROXIMATE COMPUTATION FOR SHORT CIRCUITS
RAE-TRANS-1001 N63-16851 14-09

SYNTHESIZING HEAT RESISTANT POLYMERS HAVING RINGS IN CHAIN
RAE-TRANS-1028 N63-17025 15-07

AEROELASTICITY - SCALE MODEL TESTING FACILITIES - ROCKET SLED, GROUND LAUNCHED ROCKET, AND FREE FALLING BOMB N63-17824 16-10

AEROELASTICITY - FLUTTER TEST METHODS FOR AIRCRAFT IN FLIGHT N63-17825 16-33

SOVIET SATELLITES, SPACE CAPSULES & SPACE PROBE DATA
RAE-TRANS-1034 N63-18100 16-32

OBTAINING THRUST AUGMENTATION IN TURBOJET ENGINES USING GAS DYNAMIC PRINCIPLES FOR REGULATING NOZZLE INPUT
RAE-TRANS-1031 N63-18355 17-11

CONTACT LENS PHOTOELECTRIC EYE MOVEMENT RECORDING SYSTEM
FPRC/MEMO-162 N63-18820 18-16

OXIDATION OF MOLYBDENUM DISULFIDE /MOLYBDENITE/ DURING FLOTATION - FACTORS AFFECTING DISSOLUTION IN DISTILLED WATER
RAE-TRANS-1036 N63-19141 18-07

HIGH SPEED, AIRBORNE, VOLTAGE TO DIGITAL CONVERTER FOR BLACK KNIGHT INERTIAL GUIDANCE EXPERIMENT
RAE-TN-SPACE-33 N63-19869 19-09

INITIATION AND GROWTH OF FATIGUE CRACKS - CRACK PROPAGATION N63-20086 20-18

CRACK PROPAGATION IN THIN SHEET METAL MATERIALS
N63-20095 20-18

PERTURBATIONS TO SATELLITE ORBITAL ELEMENTS DUE T EARTH GRAVITATIONAL FIELD
RAE-TN-SPACE-35 N63-20339 20-2

FORECASTING SUNSPOT CYCLES - SOLAR PHYSICS
RAE-TM-SPACE-16 N63-20504 20-2

DECREASE IN UPPER ATMOSPHERE DENSITY BETWEEN 195 AND 1963 OBSERVED BY SATELLITE ORBITS
RAE-TN-SPACE-32 N63-20747 21-1

SATELLITE DESIGN FOR MEASURING THE ULTRAVIOLET SPECTRUM OF STARS
RAE-R-SPACE-1 N63-20838 21-3

OPTICAL MASER CONDITION FOR RESONANT BODIES AND KINETICS OF SOLID STATE MASER
RAE-TRANS-1037 N63-20995 21-2

AIRCRAFT BUFFETING CAUSED BY OPEN CAVITIES EXPOSE TO AIR FLOW - VIBRATION AND FLEXURE MODES
RAE-TM-AERO-754 N63-21299 21-0

ENLARGEMENT OF ELLIPTIC SATELLITE ORBITS BY CONTINUOUS MICROTHRUST
RAE-TN-SPACE-38 N63-22205 23-2

ORBIT ELEMENTS OF ARIEL I - COMPARISON OF RAE & NASA EPHEMERIDES
RAE-TN-SPACE-39 N63-22206 23-3

EFFECTS OF GAMMA RADIATION ON FLOTATION AND DAMPING PROPERTIES OF FLUOROLUBE
RAE-TM-SPACE-19 N63-22213 23-17

TERRAIN INDUCED BEARING ERRORS IN VHF DIRECTION FINDER
RAE-TRANS-1042 N63-23000 23-08

HYSTERESIS MOTOR - HISTORY AND THEORY OF TORQUE MOTORS N63-23171 24-27

ROYAL ARMAMENT RESEARCH AND DEVELOPMENT ESTABLISHMENT, FORT HALSTEAD, /GT. BRIT./
LANGMUIR PROBE AND VELOCITY MEASUREMENTS IN PLASMA JET - EFFECT OF IONIZATION AND DISSOCIATION ON NOZZLE FLOW N63-15406 12-24

RAREFIED GAS DYNAMICS - AERODYNAMIC FLOW REGIMES FOR MOTION OF ROCKETS OR SATELLITES IN IONOSPHERE, PLASMA WAVE MOTIONS & ION SHOCK WAVE FORMATION
N63-21587 22-24

RAREFIED GAS DYNAMICS - MEASUREMENTS FROM SPHERICAL LANGMUIR PROBE INTERPRETED FOR ELECTRON DENSITY, TEMPERATURE AND ION DENSITY
N63-21611 22-14

ROYAL COLL. OF SCIENCE AND TECH. GLASGOW /GT. BRIT./
TRANSITION FROM DEFLAGRATION) DETONATION IN SOLID CRYSTALLINE EXPLOSIVES N63-18554 17-26

ROYAL GEOGRAPHICAL SOCIETY, LONDON /GT. BRIT./
NONMILITARY NAVIGATION BY SATELLITES - TRANSIT SATELLITES - METEOROLOGICAL SATELLITES
N63-13743 08-22

ROYAL INST. OF TECH., STOCKHOLM /SWEDEN/.
UNI-AXIAL CREEP, INCLUDING RUPTURE
N63-13293 07-33

SPEECH DISCRIMINATION AND ANALYSIS - VOICE DATA PROCESSING
AFCRL-62-790 N63-13772 08-23

CHARACTERISTICS OF TRANSITION ELEMENTS IN SOLUTION - CHEMICAL ANALYSIS OF RHODIUM, PALLADIUM AND RUTHENIUM
AFCRL-63-456 N63-16977 14-07

ONE-DIMENSIONAL FLOW OF CONDUCTING GAS IN CROSSED, LONGITUDINAL ELECTRIC AND TRANSVERSE MAGNETIC FIELDS - HALL EFFECT
N63-18727 17-11

QUASI-ONE-DIMENSIONAL ANALYSES OF MAGNETOHYDRODYNAMIC CHANNEL FLOWS
N63-19058 18-24

SPEECH ANALYSIS AND DISCRIMINATION
N63-21486 22-23

COMPARISON OF CREEP THEORIES IN CASE OF THIN-WALLED TUBE SUBJECTED TO AXIAL ELONGATION
N63-22529 23-33

CREEP ANALYSIS OF MAGNESIUM ALLOY UNDER BIAXIAL STRESS
N63-22530 23-33

AXIAL STRESS FATIGUE STRENGTH IN ALUMINUM-MAGNESIUM-SILICON ALLOY
N63-22749 23-33

OYAL NETHERLANDS AIRCRAFT FACTORIES FOKKER, ISTERDAM.

AIRCRAFT - FLIGHT CONTROL, INSTRUMENTATION, LANDING
N63-11649 04-01

OPTIMUM DESIGN OF SANDWICH PANELS UNDER COMBINED LOADS
N63-11654 04-34

CALCULATION OF EFFECT OF NOSE GEAR SLAPDOWN WITH UNCONVENTIONAL UNDERCARRIAGE
LW-INTERN-27
N63-11714 04-04

PHENOMENA OF PREMATURE AUTOMATIC DIRECTION FINDER POINTER REVERSALS
UE-27-139
N63-11715 04-04

LOAD AND STRESS FATIGUE, LOAD-STRESS FACTOR RELATION, AND ACCELEROMETER DATA ON FOKKER FRIENDSHIP AIRCRAFT
N63-16532 14-33

AIRWORTHINESS REQUIREMENTS - LANDING LOAD DYNAMIC ANALYSIS OF AIRCRAFT
N63-16533 14-04

DIHEDRAL EFFECT ON LATERAL STABILITY AND CONTROL OF F-27 AIRCRAFT
N63-16593 14-02

F-27 AIRCRAFT PERFORMANCE
N63-22843 23-32

OYAL NORWEGIAN AIR FORCE, BLINDERN.

CHEMICAL ANALYSIS OF BILIRUBIN & OTHER TETRA-PYRROLES BY PHOTOMETRY
N63-13532 08-07

MOLECULAR STRUCTURE OF PURE TETRAPYRROLES /BILIRUBIN/ AND THEIR ESTERS
N63-16531 14-07

NONESTERIFIED FATTY ACIDS IN VENOUS BLOOD UNDER EXPERIMENTAL CONDITIONS RELATED TO FLIGHT - PHYSIOLOGICAL EFFECT
FMI-63-1
N63-16849 14-16

OYAL NORWEGIAN COUNCIL FOR SCIENTIFIC AND NDUSTRIAL RESEARCH, BLINDERN

DOPPLER RADAR TRACKING FOR TRAJECTORY OF NIKE-CAJUN ROCKET
NSRC-4
N63-20730 21-08

ROCKET RANGE WITH LAUNCHER AND DOPPLER RADAR FOR NIKE-CAJUN RESEARCH ROCKETS
NSRC-2
N63-20787 21-10

TELEMETRY RECEIVING STATION AT ANDOYA RANGE - LAYOUT AND MOUNTING
NSRC-5
N63-20908 21-08

DANISH-NORWEGIAN ROCKET RESEARCH
NSRC-1
N63-21076 21-01

COOPERATION IN ROCKET RESEARCH BY EUROPEAN LAUNCHER DEVELOPMENT ORGANIZATION /ELDO/ AND EUROPEAN SPACE RESEARCH ORGANIZATION /ESRO/
N63-21077 21-01

ANDOYA ROCKET SITE - ROCKETRY
N63-21080 21-10

OYAL OBSERVATORY, EDINBURGH /GT. BRIT./

SCOTTISH ASTRONOMICAL OBSERVATORY - THREE-COLOR PHOTOMETRIC & SPECTROPHOTOMETRIC OBSERVATIONS - INSTRUMENTATION
N63-17719 16-05

ROTATION EFFECT ON BALMER LINE INTENSITIES OF B-TYPE STARS
N63-21858 22-05

OYAL RADAR ESTABLISHMENT, ALVERN /GT. BRIT./

METEORS AND RADAR OBSERVATIONS - RADIO WAVE SCATTERING
N63-16628 14-05

ROYAL TECHNICAL U. OF DENMARK, COPENHAGEN.

OBSERVATION OF CORRELATION BETWEEN AURORA AND HISS IN GREENLAND
AFCRL-62-1033
N63-10295 01-12

CORRELATION BETWEEN EARTH CURRENTS AND MAGNETIC DISTURBANCES
AFCRL-62-1139
N63-11693 04-12

VERY LOW FREQUENCY RADIO NOISE
AFCRL-62-1140
N63-11694 04-08

WHISTLER AND VERY LOW FREQUENCY EMISSIONS FROM SALTHOLM, DENMARK, 1960 TO 1961 - DIURNAL AND SEASONAL VARIATIONS
N63-19164 18-12

ELECTRON DENSITY AND COLLISION FREQUENCY OBSERVATIONS IN LOWER D-REGION DURING AURORAL ABSORPTION
N63-19765 19-12

METHOD OF GENERATING POSITIVE REAL FUNCTIONS FOR ELECTRICAL LINEAR CIRCUITS AND NETWORKS
RADC-TDR-63-328
N63-21676 22-09

APPLICATION OF SCHWARZS MATRIX AND JENSENS INEQUALITY TO IMPEDENCE OF LINEAR PASSIVE CIRCUITS
RADC-TDR-63-329
N63-21819 22-09

RUCKER CO., OAKLAND CALIF.

ADVANCED CENTRIFUGE FOR BIOPHYSICS - EFFECTS OF ACCELERATION
AMRL-TDR-62-113
N63-19160 18-10

RUTGERS U., NEW BRUNSWICK, N.J.

ANALYSIS OF FATIGUE PROCESS IN SINGLE CRYSTALS OF IRON AND ZINC
N63-11912 04-18

DERIVATIVES OF FERROCENE - PART I, METALLATION
N63-13241 07-07

DERIVATIVES OF FERROCENE - PART 2, REDUCTION PRODUCTS OF BENZOYLFERROCENE AND 1,1-DIBENZOYL-FERROCENE
N63-13242 07-07

DERIVATIVES OF FERROCENE - PART 3, ACYLFERROCENES AND ALKYLFERROCENES
N63-13243 07-07

FLOW FIELD AND MISSILE BASE HEATING OF A ROCKET EXHAUST - HEAT TRANSFER AND BASE PRESSURES
AIAA PAPER-63-179
N63-17925 16-13

X-RAY BACK-REFLECTION DIVERGENT BEAM STRAIN ANALYSES OF TANTALUM AND TUNGSTEN SINGLE CRYSTALS
N63-19659 19-18

STRESS-STRAIN ANALYSIS OF SINGLE CUBIC CRYSTALS
AROD-3560-1
N63-21850 22-25

HYPERTHERMIA EFFECT ON HEART RATE, ARTERIAL PRESSURE, RESPIRATION AND BLOOD CHEMISTRY IN ANESTHETIZED DOGS
SAM-TDR-63-34
N63-22078 22-16

PRESINTERING STUDY USING DEVITRIFICATION TECHNIQUE FOR CERAMICS & SINTERING STUDIES OF ALUMINUM OXIDE
N63-22845 23-19

RYAN AERONAUTICAL CO., SAN DIEGO, CALIF.

FLEXIBLE WING CARGO GLIDERS
TCREC-TR-62-3A
N63-12995 07-04

FLEXIBLE WING CARGO GLIDERS - DESIGN CRITERIA, AERODYNAMICS, PERFORMANCE, STRUCTURE
TCREC-TR-62-3B
N63-12996 07-04

STRUCTURAL DESIGN OF AMPHIBIOUS GROUND EFFECT MACHINE
N63-17533 16-04

INFLATABLE FLEXIBLE WING INDIVIDUAL DROP GLIDER
TRECOM-TR-63-26
N63-22684 23-03

S

SAAB AIRCRAFT CO., LINKOPING /SWEDEN/.

EFFECT OF BANKING OF FIELD OF VISION ON MANUAL TRACKING - HUMAN PERFORMANCE
N63-23258 24-14

SAARLAND U., SAARBRUCKEN /W. GERMANY/.
MATHEMATICAL THEORY OF ELASTICITY AND PLASTICITY OF BRITTLE MATERIALS AT VARIOUS TEMPERATURES
ASD-TDR-63-490 N63-20771 21-33

SAFETY IN MINES RESEARCH ESTABLISHMENT, BUXTON /GT. BRIT./
THERMAL DECOMPOSITION OF WOOD IN INERT ATMOSPHERE
N63-18515 17-07

SAN ANDRES U., LA PAZ /BOLIVIA/.
TIME VARIATIONS AND SOLAR MODULATIONS OF COSMIC RAYS USING FORBUSH DECREASES - PLASMA PHYSICS
N63-20011 19-28

SAN JOSE STATE COLL. FOUNDATION, CALIF.
RHENIUM-III CHLORIDE VAPOR PRESSURE AND STANDARD HEAT AND ENTROPY OF SUBLIMATION - TRANSITION METAL HALIDES
AROD-2757-1 N63-13435 08-07

SANDIA CORP., ALBUQUERQUE, N. MEX.
SCALE MODEL CRATER PRODUCTION BY ROW CHARGES THROUGH TERRAIN OF RANDOMLY VARYING ELEVATION
SC-4735/RR/ N63-10483 01-12

LOW-PRESSURE SPALL THRESHOLDS IN COPPER
SC-4747/RR/ N63-12212 05-18

VELOCITY PROFILES IN KARMAN-POHLHAUSEN MOMENTUM INTEGRAL METHOD WITH SLIP BOUNDARY CONDITION - WALL EFFECTS
SC-4752/RR/ N63-13502 08-11

DISTRIBUTION OF ABSORBED X-RAY ENERGY IN EARTH ATMOSPHERE
SC-4759/RR/ N63-13577 08-28

VELOCITY PROFILES AT 5 AXIAL STATIONS IN THE HALF JET MIXING REGION - CORRELATION WITH THE THEORY OF CRANE FOR INCOMPRESSIBLE FLOW
SC-4764/RR/ N63-14202 09-11

GAMMA RAY PHOTOCONDUCTIVITY IN ORGANIC DIELECTRIC MATERIALS AND COMPOUNDS
SCDC-2580 N63-14521 10-23

SPECTROGRAPHY IN PLASMA JET ANALYSIS - CONICAL SUPERSONIC NOZZLE USING ARGON OR NITROGEN
SC-4776/RR/ N63-14752 11-24

MATHEMATICAL TABLE OF NUMERICAL ROOTS CALCULATED BY DIGITAL TECHNIQUE
SCR-501 N63-14898 11-20

PRECISION TEMPERATURE CONTROL OF AIR AND OIL BATH
SCTM-71-63/24/ N63-15392 12-11

MATHEMATICAL TABLES OF COHERENCE COEFFICIENT FOR STATIONARY BIVARIATE GAUSSIAN PROCESSES FOR USE IN EXPERIMENT DESIGN
SCR-483 N63-15464 12-23

PHASE MEASUREMENT IN VIBRATION TESTING
N63-16086 13-33

REAL-TIME ANALYSIS OF RANDOM VIBRATION POWER DENSITY SPECTRA N63-16094 13-15

CONFERENCE ON CLEAN ROOM SPECIFICATIONS - STANDARDIZATION OF ENVIRONMENTAL CONTROL PROCEDURE
SCR-652 N63-16287 13-16

SHOCK TEST METHODS N63-16769 14-10

FACTORS FOR ONE-SIDED TOLERANCE LIMITS AND FOR VARIABLES SAMPLING PLAN - MATHEMATICAL TABLES FOR DISTRIBUTION FUNCTIONS
SCR-607 N63-16782 14-20

SIMPLE ASYMPTOTICALLY CHI-SQUARE STATISTIC FOR DISTRIBUTION OF RUNS
SCR-222A N63-17570 16-20

PERFORMANCE OF SEMICONDUCTOR ELECTRONIC CIRCUITS IN NUCLEAR RADIATION ENVIRONMENT
SCDC-3045 N63-17949 16-25

GEOLOGY - HUGONOIT DATA FOR POROUS SOIL AND POROUS AND NON-POROUS ROCK
SC-4903/RR/ N63-17996 16-1

SHOCK INITIATION OF GRANULAR EXPLOSIVES PRESSED TO LOW DENSITY N63-18553 17-1

TRANSIENT PHOTOCONDUCTIVITY OF POLYSTYRENE AND POLYISOBUTYLENE EXPOSED TO PULSES OF NEUTRON IRRADIATION AND GAMMA RADIATION
SCR-525 N63-18972 18-2

GAMMA RAY PHOTOCONDUCTIVITY MEASUREMENTS FOR ORGANIC DIELECTRICS - POLYSTYRENE, NYLON, POLYETHYLENE, POLYPROPYLENE, AND TEFLON
SCR-526 N63-18974 18-2

MATHEMATICAL MODEL FOR ASSOCIATIVE MEMORY - USE OF ASSOCIATIVE ADDRESSING AND DISTRIBUTED STORAGE
SCR-641 N63-19185 18-2

ENGINEERING - MECHANICAL DRAWINGS COMBINING MACHINE PART AND GAUGE
SCR-617 N63-19992 19-1

PLOWSHARE PROGRAM - SEDAN LONG RANGE BLAST PROPAGATION - MICROBAROGRAPHIC RECORDS OF AIR BLAST WAVES
PNE-202F N63-20917 21-2

ARGON OPERATION OF 120-KW ARC JET TEST FACILITY
SC-4911/RR/ N63-21443 22-2

RAREFIED GAS DYNAMICS - DRAG COEFFICIENT OF CIRCULAR CYLINDER - CHARACTERIZATION OF FLUID MOMENTUM EXCHANGE N63-21603 22-1

RELIABILITY - MATHEMATICAL ANALYSIS, TESTING, HUMAN FACTORS, & QUALITY CONTROL - BIBLIOGRAPHY
SCR-99B N63-22090 22-0

PYROTECHNIC DELAY COMPOSITIONS OF EXPLOSIVE POWDERS
SC-4790/RR/ N63-22180 23-2

SANDIA LAB., ALBUQUERQUE, N. MEX.
VENTILATOR FOR DUST CONTROL USING LAMINAR FLOW
SC-4905/RR/ N63-17642 16-1

VISCOUS FLOW PAST ROTATING TRANSLATING BLADE WITH ARBITRARY VELOCITY SUCTION AND SLIP
SC-4777/RR/ N63-17704 16-1

EFFECT OF FUSE VARIABLES ON TUNGSTEN IGNITER BURNING RATE
SC-4791/RR/ N63-20944 21-2

SANTA RITA TECHNOLOGY, INC., MENLO PARK, CALIF.
ELECTRONIC ANALOG OF THE EAR
AMRL-TDR-63-60 N63-19453 19-1

SASKATCHEWAN U., SASKATOON /CANADA/.
OPTICAL PROPERTIES OF AURORA AND AIRGLOW
AFCRL-63-609 N63-18830 18-1

HEMORRHAGE IN ANIMALS THAT HAVE RECEIVED ANTI-COAGULANTS - EFFECT OF STRESS ON PHARMACOLOGICAL SYSTEMS N63-18964 18-1

SCHJELDAHL /G. T./ CO., NORTHFIELD, MINN.
COMPATIBILITY OF POLYVINYLIDENE FLUORIDE STRUCTURE WITH NITROGEN TETROXIDE AND HYDRAZINE
NASA-CR-50999 N63-21363 22-2

SCHOOL OF AEROSPACE MEDICINE, BROOKS AFB, TEX.
STERILIZATION OF ELECTRONIC COMPONENTS OF SPACECRAFT N63-10373 01-2

SIMULATED MARTIAN ENVIRONMENT - BACTERIAL SURVIVAL AND SOIL MOISTURE CONTENT
SAM-TDR-62-121 N63-10875 02-2

MANHIGH PROJECT, LIFE SUPPORT SYSTEMS, CREW PERFORMANCE, PHYSIOLOGY, PSYCHOLOGY
N63-11155 03-0

THE PHOTOSYNTHETIC GAS EXCHANGE POTENTIALITIES OF THE FAMILY LEMNACEAE /DUCKWEED/
N63-11478 03-1

AEROBIC MICROBIOLOGICAL PROCESS FOR PROCESSING OF WASTES
N63-11479 03-16

STRESS IN DENTAL PATIENTS - SERUM AND URINE 17-HYDROXYCORTICOSTEROID RESPONSES IN IMPACTION PATIENTS
SAM-62-59
N63-11624 04-16

PREDICTION OF SPEECH DISCRIMINATION SCORES FROM OTHER AUDIOMETRIC DATA - HEARING LOSS IN NONTESTED EARS
SAM-TDR-62-145
N63-12332 05-14

VENTILATION OF NORMAL AND BLOCKED MIDDLE EAR - EVALUATION OF INFLATION TECHNIQUES
N63-12461 06-16

EFFECT OF DECREASED BAROMETRIC PRESSURE ON RESPIRATORY OXYGEN REQUIREMENTS AND BREATHING MODES IN MAN
SAM-TDR-62-94
N63-12462 06-16

AUDIOLOGY EXAMINATIONS OF AIRCRAFT PILOTS
SAM-TDR-62-127
N63-12463 06-14

STRESS RESPONSES OF PILOTS FLYING 6-HOUR MISSIONS OVERWATER IN F-104 AIRCRAFT
SAM-TDR-62-112
N63-12738 06-16

PHOTOSTRESS AND FLASH BLINDNESS
SAM-TDR-62-144
N63-12744 06-16

PROTECTION AGAINST IONIZING RADIATION - X-IRRADIATED MONKEYS RECEIVING PREIRRADIATION PROPHYLAXIS AND POSTIRRADIATION THERAPY
SAM-TDR-62-103
N63-12782 06-16

JOLT EFFECTS OF IMPACT ON MAN - AIRCRAFT ACCIDENTS
N63-12857 07-16

COLD PRESSOR TEST - BLOOD PRESSURE & HYPERTENSION
SAM-TDR-62-137
N63-12877 07-16

ACID-BASE VARIATION IN BLOOD AND URINE FOR DETECTION OF IN-FLIGHT HYPERVENTILATION
SAM-TDR-62-117
N63-13538 08-16

RESPONSE OF OTOLITH ORGANS OF CAT TO TILTED POSITION
SAM-TDR-62-132
N63-13588 08-16

STATISTICAL ANALYSIS - ANALYSIS OF VARIANCE, REPEATED MEASUREMENTS DESIGN, DUAL CLASSIFICATION AND DISPROPORTIONATE SUBCLASS NUMBERS
SAM-TDR-62-149
N63-13589 08-20

HUMAN SERUM LIPID LEVEL VERSUS AGE - CHOLESTEROL
SAM-TDR-62-142
N63-13644 08-16

PATHOGENIC MECHANISMS IN GAS AND FAT EMBOLISM - DISTRIBUTION BY CIRCULATORY SYSTEM
N63-13825 09-16

EFFECTS OF RADIATION EXPOSURE ON HUMAN PERFORMANCE
N63-14789 11-16

BACKWARD MASKING UNDER MONOTIC & DICHOTIC ACOUSTIC STIMULATION
SAM-TDR-62-76
N63-14790 11-16

HAZARDS OF RADIATION EXPOSURE ON HUMAN BEHAVIOR AND PERFORMANCE
N63-15134 11-16

DOSIMETRY OF NEUTRON FLUX FROM NEUTRON GENERATOR
SAM-TDR-63-18
N63-15224 11-23

ACUTE CARBON TETRACHLORIDE HEPATOTOXICITY
N63-15846 13-16

CATECHOLAMINE EXCRETION IN HEAT-ACCLIMATIZED MEN
SAM-TDR-63-20
N63-15847 13-16

DIGITAL READOUT TECHNIC APPLICABLE TO LABORATORY & AEROSPACE MEDICAL MONITORING OF PHYSIOLOGY RESPONSE DATA
SAM-TDR-62-139
N63-15903 13-16

SENSITIVITY OF SEMICIRCULAR CANALS DURING WEIGHTLESSNESS TESTED BY VISUAL PERCEPTION OF TARGET ROTATION
SAM-TDR-62-148
N63-16126 13-16

DECOMPRESSION SICKNESS - CIRCULATORY & RESPIRATORY CHANGES IN DOGS - EFFECT OF INTRAVENOUS BUBBLES
SAM-TDR-63-7
N63-16127 13-16

HEMODYNAMICS - BLOOD VISCOSITY MEASUREMENT METHOD
SAM-TDR-62-128
N63-16508 14-16

SEMICONDUCTOR DETECTOR PULSE HEIGHT RESPONSE TO PROTON RADIATION - ENERGY ABSORPTION
SAM-TDR-63-21
N63-17435 15-15

MARS ENVIRONMENT SIMULATION
SAM-TDR-62-151
N63-17555 16-16

AEROSPACE MEDICINE - AEROMEDICAL EVALUATION OF ASTRONAUTS
N63-18673 17-16

PROTECTION AGAINST TRAUMATIC SHOCK BY PRETREATMENT WITH ADRENOCORTICOTROPHIC HORMONE - RAT SURGERY
SAM-TDR-63-10
N63-19096 18-16

PERSONAL EXPERIENCES DURING WEIGHTLESSNESS IN JET AIRCRAFT AND ON SUBGRAVITY TOWER
N63-19835 19-16

INACTIVATION OF ENCYSTING AZOTOBACTER CELLS BY IONIZING RADIATION
SAM-TDR-63-13
N63-20333 20-16

LECTURES IN AEROSPACE MEDICINE
N63-20551 20-16

TOXICOLOGICAL PROBLEMS AT LAUNCH SITE - AEROSPACE MEDICINE
N63-20554 20-16

HUMAN RELIABILITY AND LIMITATIONS IMPOSED BY BODY PHYSIOLOGY - AEROSPACE MEDICINE
N63-20560 20-16

RENDEZVOUS, DOCKING, AND TRANSFER CAPABILITIES FOR MANNED ORBITAL SYSTEMS - AEROSPACE MEDICINE
N63-20565 20-29

PHOTOSYNTHETIC ORGANISMS YIELDING RESPIRATORY GASES IN SPACE
N63-20567 20-16

CHEMICAL VERSUS BIOLOGICAL RECOVERY AND RECYCLING PROCESSES - AEROSPACE MEDICINE
N63-20569 20-16

PHYSIOLOGICAL CYCLES IN AERONAUTICS AND ASTRONAUTICS - AEROSPACE MEDICINE
N63-20573 20-16

MULTIPLE USES OF FOOD, WATER, AND PERSONNEL IN MANNED SPACE FLIGHT - AEROSPACE MEDICINE
N63-20574 20-16

REQUIREMENTS OF BIO-COURIER TECHNIQUES - AEROSPACE MEDICINE
N63-20575 20-16

ECOLOGICAL PROFILE OF MARS - AEROSPACE MEDICINE
N63-20576 20-16

RESPIRATION AT PROLONGED EXPOSURE TO HIGH ALTITUDES WITHOUT HYPOXIA IN SPACE CABIN SIMULATOR
SAM-TDR-63-31
N63-20651 20-16

EFFECT OF RADIATION ON CARBOHYDRATE METABOLISM IN MONKEYS - HYPERGLYCEMIA
SAM-TDR-63-40
N63-20656 20-16

APPARATUS FOR REPEATED AUTOMATIC EXTRACTION OF POROUS SOLIDS WITH HOT SOLVENT
SAM-TDR-63-42
N63-20698 21-07

ENZYMATIC ANALYSIS OF BLOOD LACTIC ACID
SAM-TDR-63-49
N63-20973 21-17

ROLE OF STOMACH & OTHER EXTRA-RENAL ORGANS IN IODINE LOSS DURING THYROID UPTAKE - HUMAN PHYSIOLOGY
N63-21184 21-16

QUANTITATIVE MEASUREMENT OF HUMAN BODY FAT
SAM-TDR-63-45
N63-21201 21-16

VISUAL PERCEPTION OF TARGETS DURING WEIGHTLESSNESS PRECEDED BY POSITIVE OR NEGATIVE ACCELERATION - ELEVATOR ILLUSION
SAM-TDR-62-141 N63-22076 22-16

SEMICONDUCTOR RADIATION DETECTORS APPLIED TO RADIOBIOLOGY
SAM-TDR-63-25 N63-22077 22-16

OXYGEN DETECTOR USING PHYSICAL TRANSDUCERS
N63-22411 23-16

URINARY EXCRETION OF CORTICOSTERONE-LIKE HORMONES AND CATECHOLAMINES STUDIED IN PILOTS IN TWO-MAN SPACE CABIN SIMULATOR
SAM-TDR-63-53 N63-22667 23-14

HUMAN RESPIRATORY TOLERANCE TO DECREASED ATMOSPHERIC PRESSURE - LUNG PRESSURE-VOLUME RELATIONSHIP
SAM-TDR-63-62 N63-22828 23-14

RADIATION HAZARDS TO MANNED SPACE FLIGHT - SHIELDING CONSIDERATIONS N63-23218 24-28

PSYCHOLOGICAL EFFECTS OF SAM TWO-MAN SPACE CABIN SIMULATOR
SAM-TDR-63-27 N63-23338 24-14

PHOTOSTRESS AND FLASH BLINDNESS HAZARDS IN AEROSPACE OPERATIONS
SAM-TDR-63-67 N63-23339 24-16

EVALUATION OF RETINAL PERFORMANCE BY MEASUREMENT OF VISUAL DISCRIMINATION RECOVERY TIME AFTER PHOTOSTRESS
SAM-TDR-63-47 N63-23372 24-16

EFFECTS OF SUNLIGHT ON ORGANIC COMPONENTS OF CLOSED ECOLOGICAL SYSTEMS - PRODUCTION OF TOXIC END PRODUCTS
SAM-TDR-63-65 N63-23514 24-16

INTERACTION OF ACTIVE SODIUM & ACTIVE GLUCOSE TRANSPORT IN ISOLATED RABBIT INTESTINE - METABOLISM N63-23521 24-16

SPATIAL DISORIENTATION, PILOT PERFORMANCE AND AIRCRAFT SAFETY N63-23658 24-14

PREPARATION OF CHROMOSOMES FROM HUMAN AND ANIMAL BLOOD LEUKOCYTES
SAM-TDR-63-44 N63-23780 24-16

SCHWARZ BIORESEARCH, INC., ORANGEBURG, N.Y.
DEVELOPMENT OF SUPERIOR DIETS FOR SPACE FOOD
NASA-CR-50520 N63-18374 17-16

SCIENCE COUNCIL OF JAPAN, TOKYO.
MOLECULAR STRUCTURE AND SPECTROSCOPY - SYMPOSIUM, TOKYO, 1962 N63-11580 04-07

SCRIPTA TECHNICA, INC., WASHINGTON, D.C.
POSTURAL REFLEXES IN ANIMALS UNDER INCREASED AND DECREASED GRAVITY - ADAPTION UNDER WEIGHTLESSNESS
NASA-TT-F-130 N63-13222 07-16

SELENIA S. P. A., ROME /ITALY/.
ELECTROMAGNETIC WAVE PROPAGATION ALONG PLASMA COLUMNS IN MAGNETIC FIELDS
AFCRL-63-81 N63-16310 13-24

WAVE PROPAGATION IN MAGNETOACTIVE PLASMA
AFCRL-63-642 N63-17901 16-24

MICROWAVE DETERMINATIONS OF AFTERGLOW TEMPERATURES AND ELECTRON COLLISION PARAMETERS IN NITROGEN AND OXYGEN
AFCRL-63-358 N63-22734 23-23

SERVICE BUREAU CORP., SAN JOSE, CALIF.
DISCRIMINATION BETWEEN TWO WEIBULL PROCESSES
N63-16304 13-20

SERVICES ELECTRONICS RESEARCH LAB., BALDOCK /GT. BRIT./
TRAVELING WAVE TUBE, COPPER EXCITATION, GALLIUM ARSENIDE AND SEMICONDUCTORS N63-11218 03-09

FIVE KILOWATT C-BAND TRAVELING WAVE TUBE FOR THE TELSTAR GROUND TRANSMITTER N63-11219 03-09

EXCITED STATES OF COPPER IN SEMICONDUCTORS
N63-11220 03-25

NON-OHMIC EFFECTS IN GALLIUM ARSENIDE AT LOW TEMPERATURES N63-11221 03-25

SEMICONDUCTOR MONITOR FOR NUCLEAR RADIATIONS
N63-11222 03-15

TRAVELING WAVE TUBES, CRYSTAL LAMPS, CERAMIC WINDOWS, MAGNETS, SECONDARY EMISSION FROM TUNGSTEN SURFACE BOMBARDMENT, CRYSTAL FIELDS, GASEOUS MASER
N63-14414 10-01

STUB-SUPPORTED RING AND BAR TRAVELING WAVE TUBE
N63-14415 10-23

CRYSTAL LAMPS - LIGHT EMISSION FROM MINORITY CARRIERS INJECTED AT P-N JUNCTION IN GALLIUM PHOSPHIDE N63-14416 10-25

EFFECT OF CIRCUIT BREAK ON HIGH POWER TRAVELING WAVE EFFICIENCY N63-14417 10-23

HIGH POWER ALUMINA CERAMIC WINDOW-WAVEGUIDE DESIGNED FOR 3-CM BAND N63-14418 10-09

BAKEABLE ELECTROMAGNET FOR HIGH POWER TRAVELING WAVE TUBES - SOLENOID-COIL-WOUND TUBE PROCESSED AS UNIT PACKAGE N63-14419 10-09

SECONDARY EMISSION FROM CLEAN TUNGSTEN SURFACE BOMBARDED BY H, HE, N, NE, O, AR, & KR POSITIVE IONS N63-14420 10-23

CRYSTAL FIELD THEORY AND LUMINESCENCE IN ZINC SULFIDE - PROBABILITIES OF RADIATIVE AND NON-RADIATIVE ENERGY LEVEL TRANSITION
N63-14421 10-25

DISSOCIATIVE MECHANISM PROPOSED FOR OSCILLATIONS OBSERVED IN PULSED OPTICAL GASEOUS MASER
N63-14422 10-25

TECHNICAL ELECTRONIC PHYSICS PROJECTS
N63-22251 23-01

PULSED NEUTRON SOURCE FOR REACTOR MEASUREMENTS
N63-22252 23-23

EFFECTS OF SPACE CHARGE ON TRANSVERSE WAVES OF ELECTRON BEAMS N63-22253 23-09

INFRARED ABSORPTION IN N-TYPE GALLIUM PHOSPHIDE - ARSENIDE ALLOYS N63-22254 23-18

INFRARED ABSORPTION IN P-TYPE GALLIUM ARSENIDE - PHOSPHIDE ALLOYS N63-22255 23-09

LUMINESCENCE IN VANADIUM-ACTIVATED ZINC SULFIDE
N63-22256 23-19

FAST NEUTRON SOURCE FOR RADIOTHERAPY
N63-22257 23-16

LOWER THRESHOLD OF STIMULATED EMISSION FROM GALLIUM ARSENIDE SEMICONDUCTOR MASERS
N63-22258 23-25

INJECTION ELECTROLUMINESENCE IN GALLIUM ARSENIDE - PHOSPHIDE ALLOYS N63-22259 23-09

DEEP DRAWING OF THICK MOLYBDENUM SHEET
N63-22260 23-18

EXCITATION OF A VIBRATION MAGNETOMETER SUITABLE FOR USE IN CRYOSTATS N63-22261 23-15

THREE PHONON COMBINATION ABSORPTION BANDS IN GALLIUM PHOSPHIDE N63-22262 23-25

CURRENT-CARRYING CAPACITY OF A SECOND KIND OF SUPERCONDUCTOR N63-22263 23-09

SERVICIO METEOROLOGICO NACIONAL, MADRID /SPAIN/.
TABLES OF IONOSPHERIC DATA AND INDICES OF SOLAR

ACTIVITY FOR 1958 N63-18326 17-12

SERVICO METEOROLOGICO DE ANGOLA, LUANDA.
WATER VAPOR BALANCE OF THE EARTH AND THE HYDROLOGICAL CYCLE N63-19562 19-21

SERVO CORP. OF AMERICA, HICKSVILLE, N.Y.
PROPERTIES OF GLASSES TRANSMITTING IN THE 8 TO 14 MICRON REGION
SCA-34300 N63-11889 04-19

SERVOMECHANISMS, INC., GOLETA, CALIF.
ELECTROLUMINESCENT WORK WITH SINGLE CRYSTAL PHOSPHORS FABRICATED IN THIN FILM CELLS BY VACUUM DEPOSITION
SMIR-62-7 N63-14049 09-23

HEXAGONAL HOLLOW ZINC SULFIDE CRYSTALS DEVELOPED BY HEATING POWDERED ZINC SULFIDE
SMIR-62-7, APPENDIX N63-14050 09-23

ARMY INSTRUMENTATION PROGRAM - ORGANIC FILM TUNNEL EMISSION - SOLID STATE TRIODE
SMIR-63-1 N63-15788 13-09

SPACE VEHICLE PROPELLANT MANAGEMENT - RELIABILITY, MAINTAINABILITY N63-16006 13-01

SHAPE AIR DEFENSE TECHNICAL CENTER, THE HAGUE /NETHERLANDS/.
FINE STRUCTURE OF METEOR-BURST SIGNALS RECORDED WITH HIGH SPEED MAGNETIC TAPES
TM-36 N63-14005 09-08

SHEFFIELD U. /GT. BRIT./
RADIATIONLESS CONVERSION FROM TRIPLET STATE
AFCRL-62-626 N63-14357 10-07

METEOR TRAILS - LUMINOSITY - IONIZATION - ELECTRON ION RECOMBINATION N63-16648 14-05

DENSITY MATRIX FOR ELECTRON GAS WITH WEAK AND STRONG COUPLING - PERTURBATION THEORY FOR MOMENTUM DISTRIBUTION
ARL-63-87 N63-18024 16-23

EMISSIVITY OF LUMINOUS FLAMES
N63-18511 17-26

THERMAL RADIATION THEORY FOR FLAME PROPAGATION IN COAL DUST CLOUDS N63-18512 17-26

HOT KEROSENE FLASHING IN VERTICAL TUBE - SIMULATION OF FLOW PATTERN OF PHASE-CHANGE ROCKET COMBUSTOR N63-18589 17-11

MAGNETIC PROPERTIES OF FERROMAGNETIC BODY-CENTERED CUBIC ALLOYS OF COPPER & MANGANESE
N63-23591 24-18

SHELL DEVELOPMENT CO., EMERYVILLE, CALIF.
OXIDIZER RESEARCH - THERMOCHEMISTRY, STRUCTURE ANALYSIS, BOND ENERGY, LATTICE ENERGY AND HEAT OF FORMATION
S-13876 N63-15174 11-07

DEVELOPMENT OF HIGH TEMPERATURE LAMINATED RESINS
S-13859 N63-16279 13-07

MODELING TECHNIQUES IN CHEMICAL REACTOR DESIGN FOR ENERGY CONVERSION N63-18588 17-10

COMBUSTION OF HYDROCARBON FUEL BEHIND SHOCK WAVES
N63-18596 17-26

ANALYTICAL TECHNIQUES FOR HYDROCARBONS IN MINERAL AGGREGATES
NASA-CR-51999 N63-23011 24-07

SHOCKLEY TRANSISTOR CORP., PALO ALTO, CALIF.
FOUR LAYER DIODE AS PULSE MODULATOR SWITCH
RADC-TDR-62-497 N63-13232 07-09

SIEMENS - SCHUCKERTWERKE, A.G., MULHEIM AN DER RUHR /W. GERMANY/.
TURBOMACHINES - TRANSFERABILITY OF MEASUREMENTS OF SECONDARY FLOW OF COMPRESSOR CASCADE IN CASCADE TUNNEL TO ROTATING TURBINE WHEEL
N63-20866 21-02

SIEMENS - SCHUCKERTWERKE A.G., MUNICH /W. GERMANY/.
FLIGHT CONTROL FOR RESETTING - STABILITY AND CONTROL N63-20153 20-04

SIKORSKY AIRCRAFT DIV., UNITED AIRCRAFT CORP., STRATFORD, CONN.
RELIABILITY OF FATIGUE LOADED HELICOPTER STRUCTURES N63-15623 12-33

STATISTICAL METHOD OF ANALYSIS FOR STRUCTURAL RELIABILITY OF HELICOPTER COMPONENTS
N63-15624 12-33

HELICOPTER AND VTOL TRANSPORT DESIGN - MANNED SPACE FLIGHT N63-17417 15-04

HELICOPTER DYNAMIC LOADS, DYNAMIC CONTROL AND RESPONSE N63-20352 20-04

AERODELASTICITY OF ARTICULATED AND RIGID HELICOPTER ROTORS IN HIGH-SPEED FLIGHT N63-21825 22-04

SKF INDUSTRIES, INC., KING OF PRUSSIA, PA.
INFLUENCE OF LUBRICATION ON ENDURANCE OF ROLLING CONTACTS
AL63TO16 N63-23713 24-17

SKF INDUSTRIES, INC., PHILADELPHIA, PA.
X-RAYS PASSING BETWEEN TWO IDENTICAL SPHERES
AL62LO20 N63-11045 03-17

BALL BEARING WEAR & LUBRICATION TEST MACHINE USING X-RAY & RADIOACTIVE TRACER TECHNIQUES
AL63TO11 N63-21113 21-17

SLOAN-KETTERING INST. FOR CANCER RESEARCH, NEW YORK, N.Y.
EFFECTS OF ACUTE RADIATION EXPOSURE IN HUMANS
N63-15130 11-16

SLOVAK ACADEMY OF SCIENCES, BRATISLAVA /CZECHOSLOVAKIA/.
DENSITY DISTRIBUTION OF METEORS IN EARTH ORBIT
N63-16657 14-12

SMALL BUSINESS ADMINISTRATION, WASHINGTON, D.C.
FUTURE OF SMALL BUSINESS IN SPACE AGE PROGRESS - NASA PROGRAM N63-21142 21-01

SMITH /A.O./ CORP., MILWAUKEE, WIS.
EFFECT OF GLASS SURFACE CHEMISTRY ON BOND LIFE AND WETTING STUDIES OF AN EPOXY RESIN
N63-11301 03-19

TESTS OF OPTICALLY FLAT AND AS-CAST E-GLASS SURFACES - WETTING AND BONDING TENDENCIES
N63-14042 09-19

GLASS SURFACE CHEMISTRY FOR GLASS FIBER REINFORCED PLASTICS N63-15100 11-17

GLASS SURFACE CHEMISTRY FOR GLASS FIBER REINFORCED PLASTICS - BOND PERMANENCY, STRENGTH, WETTING EFFECTS N63-20121 20-19

SMITHSONIAN ASTROPHYSICAL OBSERVATORY, CAMBRIDGE, MASS.
METEORITES - ORIGIN AND DISTRIBUTION
N63-10224 01-05

SATELLITE ORBITAL DATA OF VANGUARD III
SAO SPECIAL REPT.-103 N63-10508 01-29

CATALOG OF PRECISELY REDUCED OBSERVATIONS OF VANGUARD II
SAO SPECIAL REPT.-102 N63-10509 01-29

VARIATIONS IN SATELLITE ORBITS - ZONAL HARMONICS
SAO SPECIAL REPT.-101 N63-10510 01-29

OPTICAL SATELLITE TRACKING PROGRAM
N63-10642 02-08

DUST PARTICLE DISTRIBUTION IN EARTH ATMOSPHERE - 50K TO 90K FEET N63-11499 03-12

TRAJECTORY OF TEKTITES
SAO SPECIAL REPT.-105 N63-11823 04-29

CATALOG OF ORBITAL DATA FOR EXPLORER IX FROM CAMERA TRACKING STATIONS
SAO SPECIAL REPT.-104 N63-12115 05-05

PRECISELY REDUCED OBSERVATIONS OF VANGUARD II AND VANGUARD III - JANUARY TO JUNE 1960
SAO SPECIAL REPT.-106 N63-12116 05-05

SINGULAR ORBITS OF EARTH-MOON SATELLITES WITH HIGH AREA-MASS RATIO
SAO SPECIAL REPT.-107 N63-12117 05-29

LIBRATION ORBITS OF A PARTICLE NEAR TRIANGULAR POINT IN SEMIRESTRICTED THREE-BODY PROBLEM
SAO SPECIAL REPT.-108 N63-12118 05-29

REENTRY AND RECOVERY OF FRAGMENTS OF SPUTNIK IV
SAO SPECIAL REPT.-109 N63-12119 05-05

SATELLITE OBSERVATIONS - EXPLORER I, VANGUARD II, VANGUARD II ROCKET, VANGUARD III, AND EXPLORER VII
SAO SPECIAL REPT.-96 N63-13475 08-32

PROPOSED SPACE EXPERIMENTS FOR OBTAINING DATA ON COMETS - POSSIBLE SIGNIFICANCE IN STUDY OF SOLAR SYSTEM EVOLUTION
SAO SPECIAL REPT.-111 N63-14253 10-29

SATELLITE ORBITAL DATA FOR EXPLORER I, VII, VIII, IX AND VANGUARD II AND III - ORBITAL ELEMENTS
SAO SPECIAL REPT.-113 N63-14254 10-29

SECULAR DECREASE IN INCLINATION OF SATELLITES FROM ORIGINAL ANGLE OF INCIDENCE
SAO SPECIAL REPT.-112 N63-14268 10-29

CATALOG OF SATELLITE OBSERVATIONS, NO. C-33
SAO SPECIAL REPT.-116 N63-14411 10-32

CATALOG OF SATELLITE OBSERVATIONS C-31. EXPLORER I & VII, VANGUARD II & III - JANUARY-JUNE 1962
SAO SPECIAL REPT.-114 N63-14546 10-32

SINGULAR ORBITS OF EARTH-MOON SATELLITES WITH HIGH AREA-MASS RATIO N63-15205 11-32

SUNSPOT RELATION TO GEOMAGNETISM, FLARES AND SOLAR PROTON EFFECT N63-15358 12-28

EARTH UPPER ATMOSPHERE - TEMPERATURE AND DENSITY VARIATIONS REVEALED BY ATMOSPHERIC DRAG ON SATELLITE ORBITS N63-15819 13-12

SMITHSONIAN INSTITUTE FACILITIES FOR SATELLITE OBSERVATION AND TRACKING N63-16381 14-08

ASTRONOMY AND PHYSICS OF METEORS - RADIO ECHO OBSERVATIONS AND SATELLITE MEASUREMENTS
N63-16627 14-01

LUMINOSITY OF IRON AND STONY METEORITES - METEORS
N63-16650 14-05

METEOROID SURFACE EROSION BY COSMIC RADIATION
N63-16655 14-29

METEOR STATISTICS - ORBITAL ELEMENTS
N63-16659 14-05

EFFECT OF PLANETARY PERTURBATIONS ON DYNAMIC EVOLUTION OF METEORS - STUDY OF PERSEID AND ORIONID STREAMS N63-16663 14-29

CATALOG OF SATELLITE OBSERVATIONS - ORBITAL ELEMENTS OF ECHO I SATELLITE, ECHO I ROCKET, AND EXPLORER VIII SATELLITE
SAO SPECIAL REPT.-115 N63-17211 15-32

OPTICAL SATELLITE TRACKING PROGRAM - PHOTOGRAPHIC TRACKING, MOONWATCH PROGRAM, COMMUNICATIONS
NASA-CR-50225 N63-18166 16-10

ABLATION MODE CRITERION FOR STONE METEOR - VAPORIZATION AND MELTING - HEAT TRANSFER
N63-18174 16-13

CATALOG OF PRECISELY REDUCED SATELLITE OBSERVATIONS
NASA-CR-50738 N63-18995 18-29

SATELLITE ORBIT CALCULATIONS - POSITIONS OF VANGUARD II AND III SATELLITES AND ECHO I ROCKET
NASA-CR-50795 N63-19094 18-0

COMBINATIONS OF LEAST-SQUARES APPROXIMATIONS USED IN SOLVING CORRELATED VARIABLE POLYNOMIALS
NASA-CR-50831 N63-19543 19-2

PROJECT CELESCOPE - ASTROPHYSICAL RECONNAISSANCE SATELLITE
NASA-CR-50820 N63-19948 19-3

SATELLITE ORBITAL ELEMENTS
NASA-CR-50798 N63-19957 19-3

SATELLITE ORBITAL ELEMENTS
NASA-CR-50794 N63-19958 19-2

GEODETIC POSITIONING BY SATELLITE TRACKING WITH CAMERAS
NASA-CR-50801 N63-19959 19-1

TERRESTRIAL AND CELESTIAL REFERENCE SYSTEMS
NASA-CR-50832 N63-19960 19-2

SUNSPOTS AND FLARES - RELATIVE POSITIONS
N63-20045 19-2

SMITHSONIAN ASTROPHYSICAL OBSERVATORY PROGRAM
NASA-CR-50797 N63-20203 20-0

SATELLITE ORBITAL DATA - MEAN ELEMENTS, SMOOTHED ELEMENTS, AND SUN PERIGEE DATA FOR VANGUARD, ECHO AND EXPLORER SATELLITES
NASA-CR-50800 N63-20258 20-2

SPACE SCIENCE RESEARCH - INDEX & BIBLIOGRAPHY
N63-20512 20-2

RADIO WAVE EMISSION FROM SOLAR FLARES
N63-20683 20-2

METEOR VELOCITY MEASUREMENTS BY USE OF MULTISTATION RADAR SYSTEM
NASA-CR-51346 N63-21646 22-2

ATMOSPHERIC PERTURBATIONS RELATED TO GEOMAGNETIC DISTURBANCES FROM ANALYSIS OF ATMOSPHERIC DRAG OF EXPLORER IX SATELLITE BY REDUCED PHOTOGRAPHS
NASA-CR-51328 N63-21723 22-0

MOTION OF EXPLORER XI SATELLITE AROUND ITS CENTER OF MASS
NASA-CR-51042 N63-21905 22-3

SATELLITES, SPACE SCIENCE AND ASTROPHYSICS RESEARCH N63-21972 22-0

ORBITAL ELEMENTS DERIVED BY SATELLITE TRACKING PROGRAM USING DIFFERENTIAL ORBIT IMPROVEMENT PROGRAM
NASA-CR-51562 N63-21987 22-3

SOLAR RADIO BURSTS OF TYPE IV, GEOMAGNETIC STORMS AND POLAR CAP ABSORPTION EVENTS
N63-22855 23-0

ATTITUDE DETERMINATION FROM SPECULAR & DIFFUSE REFLECTION BY CYLINDRICAL SATELLITES
NASA-CR-52254 N63-23655 24-3

SMITHSONIAN INSTITUTION, WASHINGTON, D.C.
METEOR TRAIL MEASUREMENTS - HEIGHT, DECELERATION, NOMINAL DENSITY, MAGNITUDE, FRAGMENTATION, & MASS
NASA-CR-51366 N63-21432 22-1

INFLUX OF OBJECTS INTO EARTH ATMOSPHERE - METEOR POPULATION
NASA-CR-51365 N63-21433 22-0

SNELL /FOSTER D./, INC., NEW YORK, N.Y.
SPRAYABLE, STRIPPABLE, PROTECTIVE COATING FOR AIRCRAFT, ROCKETS AND MISSILES
N63-10474 01-1

SOCIETE POUR L ETUDE ET LA REALISATION D ENGINS BALISTIQUES, COURBEVOIE /FRANCE/.
STABILITY ANALYSIS OF CONTROL SYSTEM OF LIQUID PROPELLED MISSILES N63-15547 12-3

SOCIETY OF AEROSPACE MATERIAL AND PROCESS ENGINEERS, AZUSA, CALIF.
EFFECTS OF SPACE ENVIRONMENT ON MATERIALS - SYMPOSIUM N63-10912 02-01

SOCONY MOBIL OIL CO., INC., PAULSBORO, N.J.
THIN FILM OXIDATION TEST OF LUBRICANTS FOR GAS-TURBINE ENGINES N63-17858 16-17

SOLAR, SAN DIEGO, CALIF.
EVALUATION OF NEW GLASSES IN FIBER FORM
RDR-1266-6 N63-10112 01-19

MANUFACTURING METHODS FOR LIGHTWEIGHT METAL FOIL HEAT EXCHANGERS N63-10791 02-13

DIFFUSION BONDING OF REFRACTORY METALS
RDR-1322-1 N63-10792 02-18

METAL FOIL HEAT EXCHANGERS - MANUFACTURING METHODS N63-12111 05-13

LENGTH EFFECT ON FIBER STRENGTH OF E-GLASS AND GLASS FIBER
RDR-1266-7 N63-15362 12-19

DEGREE OF SURFACE DAMAGE ON STRENGTH OF GLASS FIBERS OF DIFFERENT LENGTHS
RDR-1343-1 N63-15481 12-19

LOW TEMPERATURE BRAZING ALLOYS FOR TITANIUM HONEYCOMB SANDWICH MATERIALS
ASD-TR-61-313, PT. II N63-15878 13-18

FIBER STRENGTH OF NEW GLASS FIBROUS MATERIALS
RDR-1343-2 N63-19629 19-19

GLASS FIBER TENSILE STRENGTH VERSUS PROBABILITY OF FAILURE FOR VARIOUS LENGTHS - FLAW DETECTION
RDR-1343-3 N63-20665 20-19

VIRGIN E-GLASS FIBER DAMAGE TEST
RDR-1343-4 N63-23621 24-19

PHYSICAL AND MECHANICAL PROPERTIES OF OVEN CURED OVERLAYS, REINFORCEMENTS AND TUNGSTEN SHAPES FOR ASSET GLIDER
ER-1115-21 N63-23668 24-02

DESIGN AND ENVIRONMENTAL TESTS OF NOSE CAPS IN PLASMA ARC TUNNEL
ER-1115-25 N63-23669 24-02

SOLAR AIRCRAFT CO., SAN DIEGO, CALIF.
CORROSION RATES OF REFRACTORY METALS EXPOSED TO MOLTEN LITHIUM, SODIUM, POTASSIUM AND MAGNESIUM - LIQUID METAL COOLANT FOR ROCKET NOZZLE N63-18356 17-02

SOLID STATE RADIATIONS, INC., LOS ANGELES, CALIF.
SEMICONDUCTOR RADIATION DETECTORS FOR FAST NEUTRON OBSERVATIONS
ASD-TDR-62-838 N63-16412 14-25

FABRICATION & EVALUATION OF 3-MM DIAMETER MEDICAL PROBES FOR IN VIVO MEASUREMENT - MEDICAL & BIOLOGICAL SEMICONDUCTOR DETECTORS
NASA-CR-50521 N63-18369 17-15

SONOTONE CORP., ELMSFORD, N.Y.
HIGH CAPACITY SEALED NICKEL-CADMIUM BATTERIES - CONTROLLED CHARGING CYCLE USING ZENER DIODE N63-14152 09-06

SOPHIA U. /BULGARIA/.
FORMATION OF CRATERS IN THE LUNAR SURFACE BY METEOR IMPACT N63-18921 18-29

SOUTH CAROLINA U., COLUMBIA.
LUBRICANT RELAXATION EFFECTS IN OIL FILM THICKNESS BETWEEN INVOLUTE GEAR TEETH - SQUEEZE FILMS, VISCOELASTICITY, SURFACE DEFORMATION & ROUGHNESS
AROD-2458-41 N63-13487 08-17

SOUTH DAKOTA SCHOOL OF MINES AND TECH. RAPID CITY.
EFFECT OF MAGNETIC FIELD ON THERMAL & ELECTRICAL PROPERTIES OF MAGNESIUM STANNIDE & INDIUM ANTIMONIDE N63-10315 01-25

SOUTHAMPTON U. /GT. BRIT./
EFFECT OF RANDOM LOADING ON THE FATIGUE LIFE OF ALUMINUM ALLOY
AASU-225 N63-10943 02-33

DAMPING OF ALUMINUM HONEYCOMB SANDWICH BEAMS
ASD-TDR-62-1096 N63-13490 08-33

OSCILLATING WEDGE SHAPED AIRFOILS IN HYPERSONIC FLOW
AASU-228 N63-13494 08-03

RANDOM EXCITATION OF STEEL PANEL, BOUNDARY LAYER FLUCTUATIONS, GRAZING INCIDENCE, ACOUSTIC PLANE WAVES AND NOISE FROM AIR JET
AASU-231 N63-13495 08-33

LOW DENSITY ARC HEATED WIND TUNNEL UTILIZING ARGON AND NITROGEN
AASU-227 N63-13984 09-10

UNIVERSITY OF SOUTHAMPTON RANDOM SIREN FACILITY - PHYSICS, NOISE, VIBRATION
ASD-TDR-63-91 N63-14055 09-10

ELECTRON-ION RECOMBINATION OF ARGON IN WIND TUNNEL NOZZLES
AASU-185 N63-14312 10-11

BALANCE SYSTEM TESTING IN LOW SPEED WIND TUNNEL AT SOUTHAMPTON UNIVERSITY
AASU-208 N63-14401 10-15

SYNTHESIS AND ULTRAVIOLET SPECTRA OF KETONES FROM BICYCLOHEPTADIENE AND METAL CARBONYLS - PHOTOCHEMICAL AND THERMAL ADDITION REACTIONS
AFCRL-62-860 N63-15315 12-07

CHEMICAL REACTIONS IN SUPERSONIC NOZZLE FLOWS - VIBRATIONAL RELAXATION - ELECTRON-ION RECOMBINATION - SUDDEN FREEZING ANALYSIS N63-18573 17-07

SOUTHERN RESEARCH INST., BIRMINGHAM, ALA.
CRACK-PROPAGATION RESISTANCE OF HIGH-STRENGTH AND HEAT-RESISTANT ALLOYS N63-10664 02-18

FRICTIONAL CHARACTERISTICS OF ALLOYS AND COATINGS AT ELEVATED TEMPERATURES
UCRL-13052 N63-12278 05-18

POLYMERS WITH SILICON-NITROGEN BONDS N63-13639 08-07

STUDY OF SILICON-NITROGEN POLYMERS FOR PROTECTIVE COATING AND THERMAL SHIELDING APPLICATIONS N63-13646 08-07

STUDY OF SILICON-NITROGEN POLYMERS FOR PROTECTIVE COATING AND THERMAL SHIELDING APPLICATIONS N63-13647 08-07

STUDY OF SILICON-NITROGEN POLYMERS FOR PROTECTIVE COATING AND THERMAL SHIELDING APPLICATIONS N63-13648 08-07

POLYMERS WITH SILICON-NITROGEN BONDS FOR COATING MATERIAL N63-13649 08-07

POLYMERS WITH SILICON-NITROGEN BONDS FOR COATING MATERIAL N63-13650 08-07

THERMAL PROPERTIES OF TWENTY-SIX SOLID MATERIALS TO 5000-DEG F OR THEIR DESTRUCTION TEMPERATURES - REFRACTORY MATERIALS
ASD-TDR-62-765 N63-13773 08-18

STRESS-STRAIN PROPERTIES OF BRITTLE MATERIALS TO VERY HIGH TEMPERATURES
TID-17887 N63-14498 10-33

HIGH STRENGTH & FRACTURE TOUGHNESS IN STAINLESS STEEL THROUGH STRAIN INDUCED TRANSFORMATIONS
WAL-TR-323.4/2-2 N63-19081 18-18

POLYMERIZATION OF SILANES AND CYCLOSILANES TO POLYMERS CONTAINING SILICON-NITROGEN BONDS
NASA-CR-50736 N63-19262 18-07

TENSILE STRENGTH OF ALUMINUM OXIDE AND GRAPHITE USING GAS BEARINGS FOR UNIAXIAL LOADING
ASD-TDR-63-245 N63-19463 19-33

PROTECTIVE COATINGS FOR SHEET METALS IN SUPERSONIC TRANSPORT AIRCRAFT
NASA-CR-50824 N63-19967 19-17

HIGH STRENGTH & FRACTURE TOUGHNESS IN STEELS THRU STRAIN-INDUCED MARTENSITE TRANSFORMATION
WAL-TR-323.4/2 N63-20001 19-18

MECHANICAL AND PHYSICAL PROPERTIES OF TUNGSTEN SHEET AND TZM MOLYBDENUM SHEET
N63-20332 20-18

TESTS OF POLYMERS CONTAINING SILICON & NITROGEN IN SPACE TEMPERATURES
NASA-CR-50954 N63-21050 21-07

COMPOUNDS AND POLYMERS CONTAINING SILICON-NITROGEN BONDS FOR SPACE VEHICLE USE - COATINGS, HYDRAULIC FLUIDS AND IMPREGNATING RESINS FOR GASKETS
NASA-CR-51374 N63-21735 22-07

REACTIONS OF POLYMERS CONTAINING SILICON-NITROGEN BONDS WITH POTASSIUM
NASA-CR-51790 N63-22579 23-07

POLYMERS CONTAINING SILICON-NITROGEN BONDS
NASA-CR-51791 N63-22580 23-07

SOUTHWEST CENTER FOR ADVANCED STUDIES, DALLAS, TEX.
REFLECTION AND REFRACTION OF HYDROMAGNETIC WAVES
N63-10689 02-24

KP INDEX AND M-REGION GEOMAGNETIC STORMS
N63-12649 06-12

HYDROMAGNETIC STABILITY AT FLUID VELOCITY-DISCONTINUITY N63-14258 10-11

TERMINATION OF SOLAR WIND AND SOLAR MAGNETIC FIELD
NASA-CR-50153 N63-16728 14-28

ELECTROJET CURRENTS IN AURORAL ZONE - MAGNETOSPHERE N63-17155 15-12

STANDING SHOCK WAVE HYPOTHESIS AS EXPLANATION OF OBSERVED STABILITY OF SOLAR WIND-GEOMAGNETIC FIELD INTERFACE - MAGNETOSPHERE BOUNDARY
NASA-CR-50152 N63-17161 15-12

VORTEX SHEET STABILITY IN PERTURBATION OF THREE-DIMENSIONAL COMPRESSIBLE FLUID FLOW
NASA-CR-50332 N63-17201 15-20

THEORY OF ELECTROJET CURRENTS IN AURORAL ZONE
NASA-CR-50330 N63-17484 16-12

INTERPLANETARY GAS - HYDROGEN DISTRIBUTION
NASA-CR-50331 N63-18035 16-29

DIURNAL VARIATION OF HYDROGEN CONCENTRATION IN THE EXOSPHERE
NASA-CR-50409 N63-18177 16-12

EFFECT OF ION-ION DIFFUSION IN UPPER F-REGION ON IONIZED AND NEUTRAL PARTICLE DISTRIBUTION IN ENTIRE MAGNETOSPHERE
NASA-CR-50417 N63-18375 17-12

INTERPRETATION OF K SUB P INDEX AND M-REGION GEOMAGNETIC STORMS - MAGNETOPAUSE-SOLAR WIND INTERACTION N63-20633 20-29

SOLAR MAGNETIC FIELD FORMED BY RADIAL SOLAR WIND
N63-21277 21-28

SOUTHWEST RESEARCH INST., SAN ANTONIO, TEX.
RESEARCH ON HIGH-TEMPERATURE BEARINGS
ASD-TR-61-705 N63-10194 01-17

BIAXIAL CREEP OF THIN-WALLED TUBES OF ALUMINUM ALLOY AT HIGH TEMPERATURES
ARL 62-434 N63-10525 01-33

YIELD COLLAPSE OF STIFFENED CIRCULAR CYLINDRICAL SHELLS WITH A GIVEN OUT-OF-ROUNDNESS
N63-10826 02-3

INTERNAL DISPLACEMENTS IN SOLID-PROPELLANT GRAINS USING CYLINDRICAL, UNFILLED-URETHANE SPECIMENS UNDER UNIAXIAL COMPRESSION N63-11931 04-2

SURFACE STRAINS IN CASE-BONDED MODELS OF ROCKET ENGINES AND STUDIES OF INTERNAL DISPLACEMENTS IN SOLID PROPELLANT GRAINS N63-11932 04-2

DISTRIBUTIONS OF OSCILLATORY LIFT AND MOMENT ON SUBMERGED HYDROFOILS N63-11966 05-1

GAS CHROMATOGRAPHIC MEASUREMENT OF TRACE CONTAMINANTS IN SIMULATED SPACE CABIN
NASA-TN-D-1825 N63-13189 07-0

LIQUID SLOSHING IN 45-DEG SECTOR COMPARTMENTED CYLINDRICAL TANKS N63-13630 08-2

DYNAMIC ANALYSIS OF LIQUID IN A SPHERICAL TANK WITH APPLICATIONS TO TRAJECTORY FAILURE AND LOSS OF CONTROL IN MISSILE AND ROCKET FLIGHT
N63-13631 08-2

MICROBIOLOGICAL WASTE DISPOSAL TECHNIQUES FOR SPACE FLIGHT APPLICATION - BIOCIDE TREATMENT, DEHYDRATION, CHEMICAL & MICROBIOLOGICAL OXIDATION
AMRL-TDR-62-142 N63-14177 09-1

COMPUTER PROGRAM FOR CALCULATION OF BODY-WATER IMPACT PRESSURE IN SHIP SLAMMING
N63-15027 11-2

LONGITUDINAL FORCED VIBRATION OF PARTIALLY FILLED TANKS - LIQUID DYNAMICS N63-15260 12-3

DETERMINATION OF MECHANICAL PROPERTIES OF SEVERAL HIGH PERFORMANCE ALLOYS AT ELEVATED TEMPERATURE
ASD-TDR-61-529 N63-15431 12-1

ENVIRONMENT ANALYSIS PROGRAM /ENVANAL/ - DATA EXCHANGE PROGRAM - VIBRATION N63-16098 13-0

CRASH-FIRE PREVENTION SYSTEM FOR SUPERSONIC COMMERCIAL TRANSPORT N63-16413 14-0

TESTING OF STRUCTURAL MATERIALS AT HIGH STRAIN RATES - RATE DEPENDENCE OF DYNAMIC RESPONSE TO LOADING OR DEFORMATION - TEST METHODS EVALUATION
N63-16604 14-3

LIQUID DYNAMICS IN ROCKET PROPELLANT TANKS
NASA-CR-50258 N63-17125 15-1

INTERNAL DISPLACEMENT AND STRESS IN SOLID PROPELLANT GRAINS N63-17389 15-2

RELATION BETWEEN STRESS, STRAIN RATE, AND TEMPERATURE IN BEHAVIOR OF SOLID PROPELLANTS
N63-17390 15-2

FATIGUE TESTER USING A CONE IN ROLLING CONTACT WITH THREE BALLS TO STUDY LUBRICANT EFFECT ON BEARING FATIGUE N63-17826 16-1

IMPACT SENSITIVITY OF MATERIAL IN CONTACT WITH LIQUID OXYGEN AND NITROGEN TETROXIDE
N63-17834 16-1

TESTING METHODS FOR GAS TURBINE ENGINE LUBRICANTS FOR SUPERSONIC TRANSPORT N63-17846 16-1

THERMOPHYSICAL PROPERTIES OF ALKALI METALS FOR WORKING FLUIDS, COOLING SYSTEMS AND LUBRICATION IN POWER PLANTS N63-17862 16-1

ROLLING CONTACT BEARING FATIGUE UNDER OSCILLATORY LOAD TESTING N63-17873 16-1

LIQUID OXYGEN LUBRICANT IMPACT SENSITIVITY
SRI-RS-369 N63-18311 17-2

INVESTIGATION TECHNIQUES FOR FRICTION AND WEAR IN AEROSPACE BEARINGS
ASD-TDR-63-565 N63-20417 20-1

BIOINSTRUMENTATION ADVANCEMENT THROUGH SPACE

TECHNOLOGY - AEROSPACE MEDICINE
N63-20577 20-01

COLLAPSE OF CYLINDERS AND CONES BY EXTERNAL PRESSURE - TIME PREDICTION AND PROBABLE ERROR
ARL-63-132 N63-20746 21-33

SHOCK WAVES ON HYPERVELOCITY FLOW IN A SOLID PROPELLANT DRIVEN TUNNEL FOR SIMULATING CONDITIONS OF SHOCK LOADING ON REENTRY VEHICLES
DASA-1378 N63-21020 21-26

SUPPLEMENTING POSITIVE PRESSURE PULSE IN STANDARD SHOCK TUBE UTILIZING SOLID PROPELLANTS
DASA-1369 N63-21112 21-26

LIQUID DYNAMICS IN BOTH RIGID AND ELASTIC CONTAINERS - IMPORTANCE OF NONLINEAR BEHAVIOR IN THE SYSTEM N63-21340 21-11

DETECTION OF FATIGUE FAILURES OF CRITICAL COMPONENTS OF AERONAUTICAL AND ASTRONAUTICAL VEHICLES N63-21668 22-33

RING STRUCTURE BAFFLES AND ASYMMETRICAL BAFFLES FOR DAMPING OF FUEL SLOSHING
NASA-CR-51373 N63-21949 22-11

DAMPING EFFECT OF FLAT RING BAFFLES ON LIQUID SLOSHING IN PARTIALLY FILLED CYLINDRICAL TANKS
NASA-CR-52070 N63-23511 24-11

BAFFLE SYSTEM DEVELOPMENT TO PREVENT PROPELLANT SLOSHING IN TANKS OF ROCKET VEHICLES
NASA-CR-52069 N63-23602 24-26

SPACE-GENERAL CORP., EL MONTE, CALIF.
EXTREMELY LOW FREQUENCY PROPAGATION
AFCRL-63-46 N63-16485 14-08

SPACE MISSION RELIABILITY PREDICTION THROUGH TIME-STRESS ANALYSIS N63-17282 15-31

RELIABILITY OF SOLAR POWER SOURCES
N63-17290 15-06

SPACE SCIENCES, INC., NATICK, MASS.
MAGNETICALLY INDUCED MOTION OF ELECTRIC ARCS - CHARACTERISTICS OF THERMAL ARCS
N63-23487 24-24

SPACE TECHNOLOGY LABS., INC., CANOGA PARK, CALIF.
BEAM NEUTRALIZATION TESTS OF ELECTRON BOMBARDMENT ENGINE MODEL IN SIMULATED SPACE ENVIRONMENT
ARS PAPER-2663-62 N63-11267 03-27

SPACE TECHNOLOGY LABS., INC., LOS ANGELES, CALIF.
SPIN, CHARGE, AND MASS OF BARYONS BY RELATIVISTIC WAVE EQUATION N63-13770 08-20

ENGINEERING DESIGN OF ORBITING GEOPHYSICAL OBSERVATORIES TO MEET EXPERIMENT ORIENTATION REQUIREMENTS N63-15168 11-32

INERTIAL GUIDANCE SYSTEMS - PRECISION GYROSCOPE
N63-16856 14-15

INERTIAL GUIDANCE SYSTEMS - TEST PROGRAMS
N63-16860 14-22

INERTIAL GUIDANCE SYSTEMS - GUIDANCE EVALUATION MISSILE N63-16864 14-22

SPACE TECHNOLOGY LABS., INC., REDONDO BEACH, CALIF.
DISSOCIATION REACTION OF A DIATOMIC GAS IN HYPERSONIC FLOW ABOUT A BODY
BSD-TDR-62-107 N63-10095 01-11

EFFECT OF SPACE ENVIRONMENT ON PHOTOVOLTAIC CELLS
ARS PAPER-2536-62 N63-10263 01-06

CONTROL OF REENTRY FROM ORBIT
N63-10391 01-22

BALLISTIC MISSILE SHELL STABILITY PROBLEMS
N63-10807 02-34

THE ORBIT OF EXPLORER VI - A TEST OF THE DYNAMIC MODEL ATMOSPHERE

ARS PAPER-2622-62 N63-11256 03-29

CALCULATION ERRORS OF NONEQUILIBRIUM FLOW FIELD BY LINEARIZED METHOD OF CHARACTERISTICS
BSD-TDR-62-118 N63-11956 05-11

TESTS OF BALL BEARINGS FOR OGO SATELLITE - PERFORMANCE OF BURNISHED GOLD PLATED BALLS, RACES AND RETAINERS
TR-2311-6026-RU000 N63-12405 06-17

CONDUCTIVE HEATING OF SOLAR WIND AND PARTICLE ACCELERATION
STL-9990-6382-RU-000 N63-13671 08-28

EFFECT OF BODY GEOMETRY ON TURBULENT HYPERSONIC WAKE OF REENTRY
BSD-TDR-62-354 N63-14449 10-11

BAMBI PROGRAM - SIS ATTITUDE CONTROL
SSD-TDR-63-24 N63-14603 10-06

THEORY OF WAVE EQUATIONS FOR BARYONS
N63-14979 11-23

VALVE TECHNOLOGY FOR SPACECRAFT ROCKET ENGINES
N63-15032 11-17

CYLINDRICAL SHELL BUCKLING UNDER DYNAMIC PRESSURE
N63-15208 11-33

ONE-DIMENSIONAL NOZZLE FLOW OF GAS-PARTICLE MIXTURES N63-15300 12-26

LOW FREQUENCY HYDROMAGNETIC WAVES IN DISTANT GEOMAGNETIC FIELD - EXPLORER VI SATELLITE
N63-15311 12-32

MICROMETEOROID DETECTION BY IONIZATION CAUSED BY HYPERVELOCITY IMPACT N63-15412 12-32

INVESTIGATION OF RESONANT, NONLINEAR, NONPLANAR FREE SURFACE OSCILLATIONS OF FLUID
NASA-TN-D-1870 N63-15509 12-11

ACCELEROMETER SENSITIVITY TO DYNAMIC PRESSURE PULSE - VIBRATION N63-16090 13-15

COMET INTERCEPT MISSION - ORBIT DETERMINATION, PROBE DESIGN, BOOSTER REQUIREMENTS
N63-16229 13-05

BOSON EIGENSTATE IN GENERAL FIELD THEORY - ALGEBRAIC EXPRESSIONS FOR ENERGY LEVELS
N63-16681 14-23

ASTRONOMICAL CHARACTERISTICS OF TUNGUSK METEORITE AND MAP OF FALL AREA
STL-TRANS-71 N63-17244 15-05

SPACE RADIATION MAP - INNER AND OUTER RADIATION BELT, AURORAL ZONE, INTERPLANETARY SPACE
N63-18145 16-28

STRESS-STRAIN DISTRIBUTION OF A VISCOELASTIC SOLID - TORSIONAL VIBRATION OF CIRCULAR CYLINDER WITH RIGID END MOUNTINGS
EM-13-14 N63-18182 16-33

FEASIBILITY OF REMOTE COMPOSITIONAL MAPPING OF LUNAR SURFACE BY MEASUREMENT OF SPECTRAL EMISSIVITY CURVES
NASA-CR-50544 N63-18415 17-29

NEUTRALIZATION TESTS ON ELECTRON-BOMBARDMENT ION ENGINE
NASA-TN-D-1733 N63-18655 17-27

SOVIET TANDEM SPACEFLIGHT - VOSTOK-III AND IV SPACECRAFTS
STL-TRANS-70 N63-18841 18-32

INVISCID HYPERSONIC FLOW FOR POWER LAW SHOCK WAVES
N63-18890 18-11

DISCRETE VELOCITY MODEL APPLICATION TO LOW MACH NUMBER COUETTE AND RAYLEIGH FLOW - MATHEMATICAL MODEL N63-19068 18-11

INELASTIC NUCLEAR INTERACTIONS BETWEEN HIGH ENERGY PROTONS AND SILICON PHOTOVOLTAIC CELLS
MR-21 N63-19871 19-06

LAUNCH TO MISSION COMPLETION TARGETING TECHNIQUES, COMPUTER PROGRAMMING FOR LUNAR AND INTERPLANETARY FLIGHT PROGRAMS - RANGER/MARINER PROGRAM
AIAA PAPER 63-410 N63-20320 20-29

PLASMA-VEHICLE INTERACTION IN A PLASMA STREAM
AIAA-PAPER-63055 N63-20344 20-24

FREE FLIGHT CIRCUMLUNAR TRAJECTORIES - MOTION ANALYSIS
AIAA PAPER-63-404 N63-20495 20-29

AMBIENT RADIATION AND TRAPPED PARTICLES IN SPACE - AEROSPACE MEDICINE N63-20570 20-28

IONIZATION ASSOCIATED WITH HYPERVELOCITY IMPACT
NASA-TN-D-2091 N63-20609 20-29

APPLIED MECHANICS, SOLID STATE & QUANTUM EFFECTS, SPACE PHYSICS, COMMUNICATION THEORY & ELECTRON PHYSICS
STL-9990-6363-RU-000 N63-20996 21-01

NONEQUILIBRIUM TURBULENT WAKE OF SHARP NOSED BODY & APPROXIMATE INTEGRAL SOLUTIONS FOR DISTRIBUTION OF SPECIES AND THERMAL PROPERTIES OF WAKE
BSD-TDR-63-138 N63-21700 22-11

BUCKLING OF CYLINDRICAL SHELLS UNDER DYNAMIC LOADS
AIAA PAPER-2901-63 N63-22035 22-33

LIQUID METAL AND ORGANIC FLUID SUBMICRON PARTICLE GENERATOR
ARL-63-88 N63-22194 23-11

CHARGED PARTICLE RADIATION DAMAGE IN SILICON AND GALLIUM ARSENIDE SOLAR CELLS
NASA-CR-51530 N63-22353 23-09

BIBLIOGRAPHY OF LASERS AND MASERS
N63-22774 23-24

BIBLIOGRAPHY OF INTERPLANETARY MATTER, 1962
N63-22775 23-29

BIBLIOGRAPHY - RENDEZVOUS AND ORBITAL DOCKING
N63-22776 23-30

BIBLIOGRAPHY - LUNAR BASE N63-22777 23-29

RADIATION MEASUREMENT DATA FROM EXPLORER VI SATELLITE
NASA-CR-4 N63-22806 23-32

PROTON RADIATION DAMAGE TO SILICON SEMICONDUCTORS
NASA-CR-51532 N63-22890 23-25

CHARGED PARTICLE RADIATION DAMAGE IN SILICON AND GALLIUM ARSENIDE SOLAR CELLS
NASA-CR-51531 N63-22891 23-06

CHARGED PARTICLE RADIATION DAMAGE IN SEMICONDUCTORS - EFFECT OF 1-MEV ELECTRON BOMBARDMENT ON SOLAR CELLS
NASA-CR-51529 N63-22892 23-06

CHARGED PARTICLE RADIATION DAMAGE IN SEMICONDUCTORS - ELECTRON DAMAGE IN SILICON SOLAR CELLS
NASA-CR-51533 N63-22893 23-06

CHARGED PARTICLE RADIATION DAMAGE IN SEMICONDUCTORS - ENERGY DEPENDENCE OF PROTON DAMAGE IN SILICON
NASA-CR-51742 N63-23007 24-25

LAUNCH VEHICLE COST ESTIMATE AND SYSTEM ANALYSIS
N63-23210 24-30

SPACELABS, INC., VAN NUYS, CALIF.
PRESERVATION OF FROZEN FOODS IN AEROSPACE MISSIONS - NONELECTRONIC APPARATUS
AMRL-TDR-63-31 N63-17492 16-16

MYOELECTRIC CONTROL OF SERVO-BOOST SYSTEM TO POSITION OPERATOR HAND - MAN MACHINE SYSTEM
ASD-TDR-63-70 N63-18806 18-1

SPECTROLAB, INC., NORTH HOLLYWOOD, CALIF.
PHOTOVOLTAIC CONVERSION OF SOLAR ENERGY INTO ELECTRICAL ENERGY FOR AUXILIARY POWER IN SPACE VEHICLE SYSTEMS N63-14148 09-C

CONCENTRATED AND FILTERED SOLAR RADIATION OF SILICON PHOTOVOLTAIC CELL N63-19260 18-C

SPEER CARBON CO., NIAGARA FALLS, N.Y.
CARBON AND GRAPHITE MATERIALS AS ELECTRODES FOR FUEL CELLS N63-14126 09-C

SPERRY GYROSCOPE CO., GREAT NECK, N.Y.
ROCKET ENGINE ANALYZER & DECISION INSTRUMENTATION /READI/ - VOL I, SUMMARY
CA-4251-0160, VOL. I N63-12168 05-1

ROCKET ENGINE ANALYZER & DECISION INSTRUMENTATION /READI/ - VOL II, APPENDICES
CA-4251-0160, VOL. II N63-12169 05-1

REENTRY STABILITY AND TRAJECTORY ANALYSIS FOR CONICAL VEHICLE
CA-4291-0065 N63-16937 14-2

METAL TO CERAMIC SEALING TECHNIQUES
NA-27-0001 N63-17420 15-1

RESULTS OF PILOT WARNING INSTRUMENT /PWI/ EVALUATION N63-22653 23-1

TRANSITION PROBABILITIES BY RADIATION SELF-ABSORPTION - INFLUENCE OF HYPERFINE STRUCTURE
AB-1108-0006 N63-23757 24-2

SPERRY UTAH CO., SALT LAKE CITY, UTAH.
RELIABILITY OF ELECTRONIC COMPONENTS AND PURE FLUID AMPLIFIERS N63-13409 08-1

RELIABILITY OF SERGEANT MISSILE ASSEMBLIES - APPLICATION OF TEST-TO-FAILURE PROGRAM
N63-17273 15-3

LINEAR PROGRAMMING TECHNIQUES APPLIED TO HUMAN RELIABILITY IN SPACE PROGRAMS - OPTIMIZATION OF CREW TASKS N63-17278 15-2

SPRAGUE ELECTRIC CO., NORTH ADAMS, MASS.
JET ETCH TRANSISTOR RELIABITY IMPROVEMENTS
N63-22094 22-0

SPRINGFIELD ARMORY, MASS.
VOLATILE CORROSION-INHIBITOR TREATED MATERIALS - PACKAGING
SA-TR20-2313 N63-13172 07-1

COMPARISON OF DYNAMIC AND STATIC TEST RESULTS FOR YIELD STRESS OF STEEL GUN TUBES AT HIGH LOADING RATES - DYNAMIC TESTING APPARATUS
N63-16611 14-1

APPARATUS FOR DETERMINING DYNAMIC YIELD STRENGTHS OF STRUCTURAL MATERIALS AT VARIABLE HIGH LOADING RATES N63-16612 14-3

ST. ANDREWS U. /GT. BRIT./
CHEMICAL REACTION KNOCK RATING OF FUELS FOR INTERNAL COMBUSTION ENGINES N63-18597 17-2

ST. JOSEPHS COLL., WEST HARTFORD, CONN.
INORGANIC CHEMISTRY - FORMATION OF HIGH ENERGY COMPOUNDS AT LIGHT-ACTIVATED CATALYST SURFACES BY ACTION OF EXCITED OXYGEN ANION
AFCRL-63-608 N63-17976 16-0

CONVERSION OF ISOPROPYL ALCOHOL TO ACETONE ON IRRADIATED ZINC OXIDE - INORGANIC CATALYTIC CHEMISTRY N63-17977 16-0

MECHANISM OF PHOTOSENSITIZED POLYMERIZATION OF METHYL METHACRYLATE AT ZINC OXIDE CATALYTIC SURFACES - INORGANIC CHEMISTRY
N63-17978 16-0

EFFECTS OF AMIDES ON PHOTOCHEMICAL PROCESSES AT ZINC OXIDE SURFACES - INORGANIC CHEMISTRY

N63-17979 16-07

INORGANIC CHEMISTRY - INFRARED SPECTROSCOPIC STUDIES OF EFFECTS OF AMIDES AND NITROGENOUS RESIDUES ON PHOTOCATALYTIC ZINC OXIDE
N63-17980 16-07

INORGANIC CHEMISTRY - PHOTOELECTRIC EFFECTS AT ZINC OXIDE ELECTRODES N63-17981 16-07

INORGANIC CHEMISTRY - ENERGY TRANSFER BETWEEN PHEOPHYTIN AND IRRADIATED CAROTENE - PHOTOSYNTHETIC REACTION N63-17982 16-07

ST. LOUIS U., MO.
IN VITRO D-GLUCOSE ABSORPTION BY INTESTINAL SEGMENTS FROM ACTIVE AND HIBERNATING, IRRADIATED AND NONIRRADIATED GROUND SQUIRRELS
N63-11002 03-16

ABSORPTION OF D-GLUCOSE BY INTESTINAL SEGMENTS
N63-11426 03-16

CAPSULAR METHOD FOR MEASURING SWEATING AND BLOOD FLOW IN SMALL SKIN AREA
AMRL-TDR-63-16 N63-15355 12-16

STANDARD PRESSED STEEL CO., JENKINTOWN, PA.
MECHANICAL PROPERTIES OF HI TI 815 TITANIUM BOLT SERIES
SPS-797 N63-13410 08-17

TITANIUM FASTENER SYSTEM OF 200,000-PSI TENSILE STRENGTH AND TITANIUM BOLTS & LOCKNUTS
SPS-730 N63-15515 12-18

SAFETY AND RELIABILITY OF SELF-LOCKING NUTS USING COTTER KEYS
SPS-949 N63-17610 16-17

SAFETY BOLT FOR AIRCRAFT PIVOT JOINTS
SPS-977 N63-19745 19-17

STANFORD RESEARCH INST., MENLO PARK, CALIF.
VAPOR PRESSURE OF AMMONIUM PERCHLORATE
N63-10171 01-07

DECOMPOSITION KINETICS OF LIQUID AMMONIUM NITRATE CATALYZED BY CHROMIUM COMPOUNDS
N63-10594 02-07

KINETICS OF DECOMPOSITION OF LIQUID AMMONIUM NITRATE N63-10595 02-07

DRAG OF CYLINDERS IN STEADY PARTICLE-LADEN GAS FLOW
DASA-1322 N63-10884 02-11

DRAG OF OBJECTS IN PARTICLE-LADEN AIR FLOW - BLUNT BODIES AND COMPRESSIBILITY EFFECTS AFTER NUCLEAR EXPLOSIONS
DASA-1326 N63-10885 02-11

X-RAY FLUORESCENCE ANALYSIS TECHNIQUES FOR SMALL SAMPLES - PROTOTYPE ATMOSPHERIC ELECTRON PROBE
AFCRL-62-933 N63-11803 04-15

INTEGRATION OF ENERGY STORAGE AND DISCHARGE MECHANISMS IN BULK SILICON AND GERMANIUM FOR APPLICATION TO NEURISTOR LINES
N63-11952 05-09

NIMBUS DATA-HANDLING SYSTEM FOR CLOUD PICTURES AND INFRARED INFORMATION N63-12008 05-20

NIMBUS SATELLITE DATA PROCESSING SYSTEM
N63-12009 05-20

NIMBUS SATELLITE DATA PROCESSING OF CLOUD PICTURES
N63-12010 05-20

THREE-BODY COLLISION RATES IN ATOMIC RECOMBINATION REACTIONS N63-12079 05-23

THREE-BODY PROBLEM - A SYMMETRIC REPRESENTATION - MOTION IN A PLANE N63-12085 05-21

MECHANICAL PROPERTIES OF SOLID PROPELLANTS - POLYBUTADIENE AND POLYURETHANE COMPOSITIONS
N63-12110 05-26

STEADY-STATE FLUX OF MASS & ENERGY AT SOLID CATALYTIC SURFACE DUE TO HETEROGENEOUS RECOMBINATION OF HYDROGEN ATOMS - SQUID PROJECT
SRI-14-P N63-12305 05-07

THREE-PARTICLE SCATTERING IN PLANE USING INTEGRAL EQUATION METHOD N63-12610 06-23

COLLISION LIFETIMES AND THERMODYNAMICS OF REAL GASES N63-12822 06-11

HIGH ENERGY LIQUID CHEMICAL PROPULSION SYSTEMS - PART I, PROPELLANT SELECTION FOR SPACE MISSIONS
N63-13081 07-26

HIGH ENERGY LIQUID PROPULSION SYSTEMS - PART II, OZONE FLUORIDE N63-13082 07-26

RADAR PRECIPITATION ECHO AND SATELLITE CLOUD OBSERVATIONS OF MARITIME CYCLONE
N63-13546 08-21

CORRELATION OF TIROS I CLOUD OBSERVATIONS WITH SYNOPTIC SCALE RADAR OBSERVATIONS OF PRECIPITATION
AFCRL-63-223 N63-13560 08-21

ENERGY EXCHANGE IN RELATION TO JET PROPULSION - LOW-PRESSURE HEAT TRANSFER BETWEEN GASES & SOLID SURFACE - SQUID PROJECT
SRI-15-P N63-13920 09-23

ATOMIC AND MOLECULAR CHARGE TRANSFER PROCESSES - COLLISIONS WITH NEUTRAL PARTICLES
AROD-3251-1 N63-14075 09-23

DIFFUSION OF LEAD-IONS IN SINGLE CRYSTAL POTASSIUM CHLORIDE
AFCRL-63-15 N63-14332 10-25

CONCEPT AND DESIGN OF RADIOLOGICAL MONITORING
N63-14371 10-01

INFRARED SPECTROPHOTOMETRY FOR LUNAR AND PLANETARY SOIL ANALYSIS
NASA-TN-D-1871 N63-14406 10-29

ERRORS IN INTERPRETING LUNAR SURFACE TEMPERATURE DATA OBTAINED BY INSTRUMENTS ABOVE EARTH ATMOSPHERE N63-14491 10-05

CHARGE PRODUCTION IN NITROGEN AFTERGLOW BY NITRIC OXIDE ADDITION
SR1-16-P N63-14565 10-07

SOLID PROPELLANT INVESTIGATION - DEFORMATION AND VOLUME CHANGE, BINDER-OXIDANT INTERFACE AND FAILURE MODES, PROPELLANT MICROSTRUCTURE
N63-14617 10-26

GNOME PROJECT - MEASUREMENT OF INTERMEDIATE RANGE EARTH MOTIONS DUE TO UNDERGROUND NUCLEAR EXPLOSION IN HALITE BED
PNE-111F N63-14620 10-12

INFRARED SPECTRAL ANALYSIS OF LUNAR SURFACE FROM ORBITING SPACECRAFT N63-14668 10-29

ALMOST PERIODICITY AND QUANTAL H THEOREM
N63-14750 11-23

SCATTERING PHASE SHIFTS - DISTORTION AND ELASTIC COLLISION N63-14751 11-23

ANALYSIS OF MAN-MACHINE SYSTEM - SYSTEMS ANALYSIS, MATRIX-NETWORK, DECISION MAKING, AND HUMAN BEHAVIOR
AFOSR-4490 N63-14954 11-20

ANTENNA SPECIFICATIONS FOR SATELLITE COMMUNICATION
N63-14955 11-08

FREQUENCY ASSIGNMENT FOR COMMUNICATION SATELLITE AND GROUND STATION - TROPOSPHERIC SCATTER, TERRAIN SHIELDING, AND MICROWAVE TRANSMISSION
N63-15048 11-08

BIBLIOGRAPHY OF SOLID STATE RESEARCH - BINARY

COMPOUNDS OF ALKALI METALS & HALOGENS - PERIODIC GROUP I TO VII COMPOUNDS, VOL I
AFCRL-62-917/1/ N63-15161 11-25

BIBLIOGRAPHY OF GROUP II TO VI SEMICONDUCTING COMPOUNDS - ELECTRIC CONDUCTIVITY - OPTICAL PROPERTY - DIELECTRICS - DIFFUSION, VOL. 2
AFCRL-62-917/II/ N63-15162 11-25

BIBLIOGRAPHY OF GROUP III TO V SEMICONDUCTING COMPOUNDS - ELECTRIC CONDUCTIVITY - OPTICAL PROPERTY - DIELECTRICS - DIFFUSION, VOL 3
AFCRL-62-917/III/ N63-15163 11-25

BIBLIOGRAPHY OF SEMICONDUCTING ELEMENTS AND THEIR COMPOUNDS - PERIODIC GROUP IV ELEMENTS
AFCRL-62-917/IV/ N63-15164 11-25

POLYMERIZATION OF SILANE MONOMER TO SILICONE ELASTOMERS N63-15280 12-07

ACOUSTIC ADMITTANCE OF BURNING SOLID PROPELLANT SURFACE - COMBUSTION INSTABILITY
N63-15583 12-26

MECHANICAL BEHAVIOR OF SOLID PROPELLANTS SUBJECTED TO SMALL OSCILLATING DEFORMATIONS - COMBUSTION INSTABILITY N63-15594 12-26

MINIMUM TIME TRACT DATA IN AIRWAYS DESIGN OF LONG RANGE AND OVER-OCEAN ROUTES
AD-294393 N63-16105 13-22

ANALYSIS OF ROCKS AND MINERALS BY REFLECTED INFRARED RADIATION N63-16189 13-25

INFRARED CONFIRMATION OF 6-FOLD COORDINATION OF SILICON IN STISHOVITE /SILICON OXIDE/ - CRYSTAL STRUCTURE N63-16223 13-07

CLIMATOLOGY - WEATHER RADAR OBSERVATIONS - SCANNING ANTENNAS
AFCRL-63-299 N63-16359 14-21

CLOUD COVER RESEARCH DATA - VISUAL OBSERVATIONS, RADAR RECORDS, PHOTOGRAPHS FROM WHOLE-SKY CAMERAS, U-2 AIRCRAFT AND TIROS SATELLITES
AFCRL-63-400 N63-16454 14-21

CALORIMETER FOR MEASURING ENERGY FLUX DENSITY IN FOCUS OF CARBON ARC IMAGE FURNACE
N63-16490 14-15

COMPUTER SIMULATION FOR RADIO FREQUENCY BACKSCATTER - COMPUTER SIMULATION OF NOISE SIGNALS
AD-277582 N63-16833 14-20

THERMOELECTRIC MATERIALS - RESISTIVITY & SEEBECK COEFFICIENT OF COPPER, NICKEL, & BISMUTH SULFIDES, CUPROUS TELLURIDE & LEAD TELLURIDE MIXTURES
SRI-21 N63-16835 14-18

THERMOELECTRIC MATERIALS - RESISTIVITY & SEEBECK COEFFICIENT OF MOLTEN CUPROUS SULFIDE AND CUPROUS SULFIDE-FERROUS SULFIDE COMPOSITION
SRI-22 N63-16836 14-18

FREQUENCY DISTRIBUTION OF RAIN SHOWERS BY RADAR ECHOES
NASA-CR-50172 N63-17139 15-21

QUANTUM VIRIAL THEOREM - EQUATION OF STATE OF FLUIDS
NASA-CR-50132 N63-17212 15-23

RAINFALL DETERMINATIONS BY WEATHER RADAR ON METEOROLOGICAL SATELLITE
NASA-CR-50193 N63-17335 15-21

IMPERFECTIONS OF SOLID STATE ELECTROLYTES - CHEMICAL AND CRYSTAL DEFECTS IN SEMICONDUCTORS
AFCRL-63-74 N63-17495 16-25

SECONDARY EMISSION DISCHARGE BETWEEN PARALLEL PLATE ELECTRODES
SRI-TR-75 N63-17582 16-23

METEOROLOGICAL STUDY OF COLD CLOUDS WITH SATELLITE INFRARED HORIZON SCANNERS
AFCRL-63-413 N63-17752 16-

THERMOELECTRIC MATERIALS - TELLURIDES & SULFIDES OF COPPER, LEAD, NICKEL & BISMUTH
N63-17896 16-

LITHIUM AS CATHODE MATERIAL FOR HIGH ENERGY BATTERIES
NASA-CR-50136 N63-18049 16-

COLLISION LIFETIMES AND LIFETIME MATRIX FOR THRE BODY AND MANY-BODY BREAKUP PROCESSES
NASA-CR-50450 N63-18272 17-

FLUX SWITCHING IN MULTIPATH FERRITE CORE PROPAGATION
NASA-CR-50058 N63-18407 17-

FEASIBILITY OF REMOTE COMPOSITIONAL MAPPING OF LUNAR SURFACE BY MEASUREMENT OF SPECTRAL EMISSIVITY CURVES
NASA-CR-50544 N63-18415 17-

CHEMICAL KINETICS - HOMOGENEOUS AND HETEROGENEOU REACTIONS OF FLAME INTERMEDIATES - MEASUREMENT SURFACE ACTIVITIES OF ATOM RECOMBINATION
N63-18569 17-

PRESSURE EXERTED BY SHOCK WAVES IN SOLID MEDIA - OPTICAL, ELECTRICAL AND X-RAY TECHNIQUES USED TO MEASURE SHOCK AND FREE SURFACE VELOCITIES
POULTER LABS. TR-002-63 N63-19134 18-

TRANSITION FROM SURFACE- TO DIFFUSION-CONTROLLED PROCESS DURING HYDROGEN-ATOM RECOMBINATION - SQU PROJECT
SRI-TR-17-P N63-19340 18-

AUTOMATIC SYSTEM FOR MEASURING MICROWAVE PHASE SHIFT - PLASMA FLUX MEASUREMENT
AFCRL-63-155 N63-19422 19-

ELASTIC MOTION AND PLASTIC BUCKLING OF CYLINDRI SHELL UNDER NEARLY UNIFORM RADIAL IMPULSE - PRESSURE EFFECTS
POULTER LABS.-TR-001-63 N63-19457 19-

ELASTIC CYLINDRICAL SHELL UNDER NEARLY UNIFORM RADIAL IMPULSE - PRESSURE EFFECT
N63-19458 19-

BUCKLING OF VERY THIN CYLINDRICAL SHELL DUE TO IMPULSIVE PRESSURE N63-19459 19-

HYDRODYNAMIC THEORY OF HIGH POWER MICROWAVE TUB COOLING BY VORTEX FLOW
RADC-TDR-63-214 N63-19533 19-

HIGH POWER MICROWAVE TUBE COOLING BY VORTEX FLO PRESSURE DROP, BURNOUT, AND WALL TEMPERATURE MEASUREMENTS
RADC-TDR-63-242 N63-19534 19-

SCALE MODEL OF SOLAR-FLARE-INDUCED IONIZATION I D-REGION N63-19693 19

D-REGION IONIZATION BY SOLAR X-RAYS
N63-19694 19-

CIVILIAN NUCLEAR POWER PROGRAM OF ATOMIC ENERGY COMMISSION - NONMILITARY APPLICATIONS OF ATOMIC ENERGY
SRIA-65 N63-19767 19-

LIQUID THERMOELECTRIC SUPERCONDUCTORS AS DIRECT ENERGY CONVERSION MATERIALS N63-20006 19-

DEFLAGRATION WAVE PROPAGATION AT SURFACES OF AMMONIUM PERCHLORATE-COPPER CHROMITE-CARBON PELLETS AND THERMAL IGNITION STUDY
N63-20061 20-

COLLISION LIFETIMES AND THERMODYNAMICS OF REAL GASES
NASA-CR-50469 N63-20268 20-

SPURIOUS FREQUENCY SUPPRESSION WITH LOW PASS, B PASS, & BAND STOP FILTERS ON RADIO TRANSMITTERS
RADC-TDR-63-302 N63-20411 20-

HUGONIOT EQUATION OF STATE DATA OBTAINED FOR ROCKS BY SHOCK WAVE TECHNIQUE
AFCRL-63-662 N63-20783 21-19

DEGRADATION OF POLYMERS BY HIGH VACUUM SPACE ENVIRONMENT - MASS SPECTROSCOPY OF VOLATILE MATERIALS
NASA-CR-50952 N63-21049 21-29

ENERGY TRANSFER DURING ATOMIC RECOMBINATION ON SOLID SURFACES N63-21582 22-23

AFTERGLOW AS RESULT OF CATALYTIC DISSOCIATION OF DIATOMIC NITROGEN IN DISCHARGES
AROD-3493-2 N63-21944 22-11

NONREACTING QUENCHING COMPOUND EFFECT ON ION PRODUCTION IN ATOMIC NITROGEN AND OXYGEN GAS MIXTURE N63-21945 22-11

PHOTOELECTRIC OBSERVATIONS OF PINK NITROGEN AFTERGLOW N63-21946 22-11

ULTRAVIOLET SPECTRA OF AFTERGLOW OF ATOMIC NITROGEN N63-21947 22-11

CATALYZED DISSOCIATION OF ATOMIC NITROGEN IN MICROWAVE DISCHARGES N63-21948 22-24

TACTUAL DISPLAY FOR VEHICLE CONTROL - PSYCHO-PHYSICS OF TACTUAL PERCEPTION, TACTILE STIMULATORS, DISPLAY & TRACKING EXPERIMENTS
NASA-CR-51518 N63-22029 22-06

SPACE STORABILITY OF PRESSURIZING GASES
NASA-CR-51520 N63-22158 22-26

DESIGN AND CONSTRUCTION OF LARGE STEERABLE PARABOLIC ANTENNAS FOR RADIO AND RADAR ASTRONOMY
AFCRL-63-677 N63-22190 23-08

PLANE SHOCK WAVE INDUCED IN TARGET BY IMPACT WITH FLAT PLATE ACCELERATED TO HIGH VELOCITY BY EXPLOSIVE CHARGE
DASA-1397 N63-22243 23-11

STANFORD U., CALIF.

MEASUREMENTS OF PRESSURE AND FLOW SPEED IN A SPARK-HEATED HYPERSONIC WIND TUNNEL
AEDC-TDR-62-218 N63-10132 01-13

JET-FLAP THRUST RECOVERY
SUDAER-136 N63-10314 01-03

EVALUATION OF THE VAN HOVE CORRELATION FUNCTIONS FOR CERTAIN PHYSICAL SYSTEMS
ITP-74 N63-10405 01-23

PROBABILITY INTEGRALS OF MULTIVARIATES, STATISTICS AND BIBLIOGRAPHY N63-10528 01-20

THE DISTRIBUTION OF INTERRUPTED COUNTDOWN DURATIONS N63-10529 01-20

LARGE DEFLECTION THEORY FOR DETERMINING THE BUCKLING PRESSURE OF SPHERICAL SHELLS
N63-10845 02-33

HEAT TRANSFER WITH LAMINAR FLOW IN ANNULI
AHT-5 N63-10995 02-13

MISSILE RELIABILITY ESTIMATION
N63-11161 03-20

OPTIMAL DESIGN OF EXPERIMENTS - STATISTICS
N63-11162 03-20

BUCKLING OF A FREE EDGE OF AN AXIALLY COMPRESSED CIRCULAR CYLINDRICAL SHELL N63-11316 03-33

SYMMETRIZED MANY-CHANNEL ND-1 METHOD AND POLE APPROXIMATION
AFOSR-TN-2566 N63-11635 04-23

UNITARITY AND HIGH ENERGY INELASTIC SCATTERING
AFOSR-TN-2640 N63-11636 04-23

QUANTIZATION OF SELF-COUPLED BOSON FIELD
AFOSR-TN-2941 N63-11637 04-23

TWO-PERSON MARKOV GAMES N63-11638 04-20

CONVERGENT ASYMPTOTIC EXPANSION FOR MILL RATIO AND NORMAL PROBABILITY INTEGRAL IN TERMS OF RATIONAL FUNCTIONS N63-11639 04-20

IONOSPHERIC ELECTRON COLUMNAR DENSITY & VARIATIONS MEASURED BY DOPPLER SHIFTS IN SATELLITE TRANSMISSIONS N63-11762 04-12

SHOWER DEVELOPMENT AND HEATING IN WAVEGUIDE STRUCTURE WITH 800-MEV ELECTRON BEAM
SLAC-3 N63-11868 04-23

ADIABATIC APPROXIMATION FOR DYNAMICS OF A PARTICLE IN THE MAGNETIC FIELD OF A TAPERED SOLENOID
SLAC-4 N63-11869 04-23

DESIGN OF MAGNETIC MOMENTUM SLITS FOR SEPARATING PARTICLES IN A BEAM - DETERMINATION OF FRINGING FIELDS
SLAC-6 N63-11870 04-23

CALCULATION OF EARTH SHIELDING THICKNESSES REQUIRED FOR STANFORD TWO-MILE ACCELERATOR
SLAC-9 N63-11982 05-23

PSEUDO-SOLUTION TO SCHEDULING PROBLEM
N63-12037 05-20

REVIEW OF INTERACTION BETWEEN GEOMAGNETIC FIELD AND SOLAR CORPUSCULAR RADIATION
ML-975 N63-12059 05-05

SEQUENTIAL TESTS FOR MEAN OF NORMAL DISTRIBUTION - WIENER LEVY PROCESS DRIFT N63-12088 05-20

NONLINEAR DISTORTION IN FREQUENCY-DEPENDENT TWO-PORT SYSTEMS
SEL-62-093 N63-12106 05-09

DESIGN AND FABRICATION OF ACCELERATING STRUCTURE FOR STANFORD TWO-MILE ACCELERATOR
SLAC-7 N63-12221 05-23

LINEARIZED THEORY FOR ROTATIONAL, SUPERCAVITATING FLOW - APPLICATION TO PREDICTING FORCES ON SLENDER HYDROFOILS AND WEDGES N63-12434 06-11

NEW DERIVATION OF EQUATIONS OF ALREADY-UNIFIED FIELD THEORY N63-12745 06-20

FINITE DEFORMATION OF PRESTRESSED ELASTIC MEMBRANE
SUDAER-141 N63-13050 07-33

PRACTICABILITY OF REDUCING AIRCRAFT APPROACH AND LANDING SPEEDS USING JET FLAPS - THRUST CONTROL, FLOW VISUALIZATION, AND WAKE PRESSURES
SUDAER-138 N63-13269 07-03

FUNCTION ALGEBRAS WITH RESPECT TO ANALYTIC STRUCTURE OF A SPACE
AROD-1323-24 N63-13270 07-20

BUCKLING OF THIN-WALLED CIRCULAR CYLINDRICAL SHELL HEATED ALONG AXIAL STRIP
SUDAER-142 N63-13473 08-33

THERMAL BUCKLING OF ANNULAR PLATES
SUDAER-143 N63-13474 08-13

X-RAY OPTICS & X-RAY MICROANALYSIS - THIRD INTERNATIONAL SYMPOSIUM, 1962
N63-13599 08-23

STRESSES AND DEFORMATIONS OF PRESTRESSED, VERY THIN SHELLS SUBJECTED TO ADDITIONAL LOADS - SHAPES OF INFLATABLE STRUCTURES
AROD-3065-1 N63-14067 09-33

SOLUTION FOR INFINITE SOLID BY DUAL INTEGRAL EQUATIONS N63-14213 09-33

SYNCHROTRON EMISSION FROM HIGH-ENERGY ELECTRONS - SUMMARY
SEL-62-149 N63-14246 10-12

NUMERICAL INTEGRATION OF CHEMICAL AND VIBRATIONAL RATE EQUATIONS IN NEAR EQUILIBRIUM FLOW

AEDC-TDR-63-82 N63-14314 10-11

SPACE-CHARGE LIMIT AND CONFINEMENT IN PARTICLE ACCELERATION WITH HIGH-INTENSITY LIGHT WAVES - LASER RADIATION FOR ACCELERATION
SLAC-12 N63-14556 10-23

OPTICAL PROPERTIES OF QUADRUPOLE MULTIPLETS FOR SECTOR FOCUSING IN THE TWO-MILE ACCELERATOR
SLAC-14 N63-14557 10-23

ASYMPTOTIC METHOD OF STATISTICAL ANALYSIS WITH TWO-SAMPLE PROBLEM N63-14795 11-20

LEAST SQUARES METHOD FOR RANDOM FRACTIONAL REPLICATION DESIGN N63-14796 11-20

POSSIBLE EXTRATERRESTRIAL LIFE ON MARS IN MICRO-ENVIRONMENT N63-15275 12-16

QUANTUM EFFICIENCY RADIATION DETECTORS AND COUNTER MODELS N63-15386 12-20

FOSTER PROBABILITY THEORY OF MARKOV CHAIN IN CONTINUOUS TIME N63-15387 12-20

PARTICULAR SOLUTIONS OF LINEAR PARTIAL DIFFERENTIAL EQUATIONS USING INTEGRAL OPERATOR METHOD - ALGOL COMPUTER PROGRAM
N63-15523 12-20

GLOBAL PROPERTY OF MINIMAL SURFACES - SURFACES OF HIGH CONNECTIVITY - RIEMANN SURFACE
N63-15691 12-20

HEAVY MESONS AND EXCITED BARYONS - MASS SPECTRA, QUANTUM NUMBERS, LIFE TIMES AND DECAY MODES
SLAC-13 N63-15810 13-23

FOLDOVER IN DIODE-LOADED RESONANT CIRCUITS - FREQUENCY RESPONSE
ML-945 N63-15842 13-09

PARTICLE ACCELERATORS AND HIGH-VOLTAGE MACHINES
SLAC-1 N63-16354 14-23

EFFECTS OF GEOMETRY AND UNIDIRECTIONAL BODY FORCES ON STABILITY OF LIQUID LAYERS
SUDAER-150 N63-16393 14-11

CENTRIFUGE-MOUNTED, HYPERSONIC WIND TUNNEL FACILITY TO STUDY EFFECTS OF DECELERATION AND INERTIAL FORCES ON ABLATING BODIES
SUDAER-151 N63-16394 14-10

ELECTRON CONTENT OF IONOSPHERE AT MIDDLE LATITUDES NEAR PEAK OF SOLAR CYCLE N63-16954 14-12

DATA ACQUISITION AND SYSTEM CONTROL THROUGH TIME SHARING OF MIXED INPUT
SUDAER-147 N63-17035 15-09

SPECTRAL OUTPUT FROM XENON FLASH LAMPS
NASA-CR-50175 N63-17140 15-09

ELASTIC STABILITY IN NONLINEAR BUCKLING OF CIRCULAR PLATES DUE TO RAPID HEATING OR COOLING
NASA-CR-50243 N63-17202 15-20

EFFECT OF TRANSVERSE TEMPERATURE GRADIENTS ON HEAT TRANSFER AND FRICTION FOR LAMINAR FLOW OF GASES
TID-17792 N63-17259 15-13

MICROELECTRONICS R&D - CIRCUIT REDUNDANCY & ADAPTATION, SURFACE-FIELD EFFECT TRANSISTOR, SUPERCONDUCTIVE TRAPPED FLUX MEMORY
N63-17368 15-09

INTERACTION OF THERMAL RADIATION AND FLUID FLOW IN ACOUSTIC APPROXIMATION
NASA-TR R-138 N63-17551 16-11

QUADRUPOLE FOCUSING FOR ACCELERATORS
SLAC-15 N63-17567 16-20

DETECTION OF SOLAR PARTICLE STREAMS BY MEASURING POLARIZATION OF HIGH FREQUENCY RADIO WAVES
SEL-63-041 N63-17573 16-08

SECOND HARMONIC GENERATION USING FERRIMAGNETIC MATERIALS WITH MICROWAVE RESONATORS - HIGH EFFICIENCY FREQUENCY DOUBLER
ML-1028 N63-17623 16-

COMPUTER SIMULATION OF ELECTRON MIXING MECHANISM IN ION PROPULSION STREAM N63-17699 16-

REFINEMENT OF QUASI-STEADY-STATE APPROXIMATION IN CHEMICAL REACTION KINETICS BY SINGULAR PERTURBATION ANALYSIS
NASA-CR-50226 N63-17730 16-

NECESSARY CONDITION FOR OPTIMAL CONTROL OF NONLINEAR DYNAMICAL SYSTEM N63-18149 16-

TWO-MILE LINEAR ACCELERATOR PROJECT - MICROWAVE APPARATUS, INSTRUMENTATION, AND KLYSTRON
SLAC-10 N63-18150 16-

ELASTIC STABILITY - BUCKLING AND SNAPPING - DEAD AND RIGID LOADING
NASA-CR-50502 N63-18337 17-

OPTIMIZATION OF PRODUCTION - MATHEMATICAL ANALYSIS
N63-18364 17-

ISOTROPIC LOCKING - GENERAL THEORY, PROBLEMS OF EQUILIBRIUM-VOLUMETRIC AND DISTORTIONAL LOCKING, AND WAVE PROPAGATION IN LOCKING MEDIA
SUDAER-152 N63-18624 17-

HEAT TRANSFER & DRAG ON FLAT PLATE IN WAKE OF SECOND FLAT PLATE N63-18643 17-

COOLING SYSTEMS FOR INTERNAL COMBUSTION ENGINES - HEAT TRANSFER IN PISTON FILLED WITH LIQUID
N63-18644 17-

FLUID MECHANICS AND HEAT TRANSFER BEHAVIOR FOR RADIALLY INWARD FLOW OVER A SHROUDED ROTATING DI
N63-18826 18-

WAVE PROPAGATION IN AN INHOMOGENEOUS, COMPOSITE MEDIUM N63-19027 18-

CONSTRUCTION OF TWO-MILE-LONG LINEAR ELECTRON ACCELERATOR FACILITY
SLAC-16 N63-19195 18-

STRESS ANALYSIS OF VISCOELASTIC CYLINDER
AROD-1892-5 N63-19358 18-

HYDROSTATIC BUCKLING PRESSURE CALCULATIONS FOR SPHERICAL SHELLS
NASA-CR-50600 N63-19856 19-

GEOCYCLOTRON - VERY LOW FREQUENCY WAVE COUPLING TO TRAPPED PARTICLES IN THE IONOSPHERE
AFSWC-TDR-63-35 N63-19891 19-

HEAT TRANSFER WITH LAMINAR FLOW IN CONCENTRIC ANNULI WITH CONSTANT AND VARIABLE WALL TEMPERATU AND HEAT FLUX
NASA-TN-D-1972 N63-20324 20-

SPEECH DISCRIMINATION IN NOISE ENVIRONMENT OF INDIVIDUALS WITH HEARING LOSS
SAM-TDR-62-130 N63-20920 21-

CALCULATION OF ELECTRON DENSITY PROFILES - DATA CONVERSION OF TOPSIDE RADIO WAVE REFRACTION RECORDS FROM GROUND-BASED IONOSONDES
N63-21004 21-

THE IONOSPHERE - AN ANNOTATED SURVEY THROUGH 196 OF RADIO PROPAGATION, RADIO WAVES & PHYSICS OF IONOSPHERE
SEL-62-064 N63-21107 21-

IRREGULARITIES MOVING ACROSS THE IONOSPHERIC MAGNETIC FIELD EXPLAINED AS SOUND WAVES EXCITED ELECTRON GAS STREAMS
SEL-63-030 N63-21209 21-

IRREVERSIBLE BEHAVIOR OF RADIATING GAS
SUDAER-119 N63-21229 21-

FEASIBILITY OF MICROMETEOROID VELOCITY DETECTOR

NASA-TN-D-1977 N63-21271 21-12

CALCULATION OF ELECTRON DENSITY PROFILES FROM TOPSIDE SOUNDER RECORDS N63-21278 21-12

ELECTRON DENSITY DISTRIBUTION IN IONOSPHERE F2 LAYER IN WINTER N63-21279 21-12

MAGNESIUM METABOLISM IN RATS - TRANSPORT MECHANISM IN VIVO AND IN VITRO
AAL-TDR-62-41 N63-21396 22-16

KINETICS OF DISSIPATION IN GAS MIXTURES - SIMPLIFIED CALCULATION METHOD
N63-21569 22-24

RAREFIED GAS DYNAMICS - SECOND-ORDER BOUNDARY LAYER THEORY APPLIED TO HEAT TRANSFER AT STAGNATION POINT OF SPHERE IN SUPERSONIC FLOW
N63-21599 22-11

FEASIBILITY OF GRAVITATIONAL ORBIT SATELLITE
IAS PAPER 62-111 N63-21645 22-32

ELECTRON DENSITY DISTRIBUTION IN F-2 LAYER OF IONOSPHERE IN WINTER N63-21658 22-12

SCIENTIFIC MANAGEMENT - RELIABILITY TESTING, USE OF MATHEMATICAL MODELS AND ECONOMIC ASPECTS OF PROCEDURES N63-21721 22-01

GENERATION OF RESIDUAL STRESSES AND DISTRIBUTION IN THERMO-VISCOELASTIC BODIES
N63-22042 22-33

LOCAL HEAT TRANSFER COEFFICIENTS & FRICTION FACTORS FOR TURBULENT FLOW OF AIR, NITROGEN & HELIUM IN SMOOTH TUBES N63-22310 23-13

TWO-MILE PARTICLE ACCELERATOR
SLAC-18 N63-22481 23-23

COOLING EFFECT OF FILM STREAM ON HEAT TRANSFER BETWEEN SHROUDED ROTATING DISK & RADIAL MAIN FLOW
N63-22528 23-13

VISCOELASTIC COMPRESSIBILITY IN STRESS ANALYSIS
N63-22618 23-33

EQUATIONS OF MINIMAL SURFACE TYPE - NEW ESTIMATES AND BOUNDARY BEHAVIOR QUESTIONS
N63-22627 23-20

UNSTABLE BOUNDARY CONDITIONS FOR EQUATIONS OF EVOLUTION - ZERO LOCATION, MAXWELL EQUATION, AND CAUCHY PROBLEM N63-22628 23-20

PROPERTIES OF SOLUTIONS OF MINIMAL SURFACE EQUATIONS N63-22629 23-20

POWER SCATTERED FROM DENSITY FLUCTUATIONS IN PLASMA - INCOHERENT SCATTERING OF RADIO WAVES IN IONOSPHERE
SEL-63-066 N63-22677 23-24

CORRELATION BETWEEN WHISTLER-MODE PROPAGATION AND HIGH FREQUENCY NORTHSCATTER
SEL-63-082 N63-22678 23-09

QUANTUM FIELD THEORY - ANALYTIC REPRESENTATION OF INVARIANT DISTRIBUTIONS N63-22704 23-20

IMPEDANCE OF DIPOLE IN LOWER IONOSPHERE AT VERY LOW FREQUENCIES N63-22750 23-12

RADAR ECHO DETECTION OF IONIZED NITRIC OXIDE IN E- AND F-REGIONS OF IONOSPHERE
SEL-63-063 N63-22798 23-12

MICROWAVE RESEARCH - ACOUSTIC WAVE AMPLIFICATION, OPTICAL MASERS, FERRITE NONLINEAR PROPAGATION
ML-1060 N63-22911 23-25

PIEZOELECTRIC SEMICONDUCTORS FOR ACOUSTIC WAVE AMPLIFICATION - NORMAL MODES, COUPLED MODES, AND DRIFTING CARRIERS
ML-1057 N63-22912 23-25

HARMONIC GENERATION IN MICROWAVE PLASMAS - THEORY OF NONLINEAR DISCHARGE
ML-1055 N63-22999 23-24

EXPANSION OF MILLS RATIO FOR NORMAL PROBABILITY INTEGRAL N63-23004 24-20

SYNCHROTRON EMISSION AS SOURCE OF VERY HIGH FREQUENCY AURORAL NOISE
SEL-62-149/SUP/ N63-23659 24-28

SUPERSONIC NONEQUILIBRIUM FLOW OVER A WEDGE
SUDAER-160 N63-23689 24-02

STANLEY AVIATION CORP., DENVER, COLO.
IMPACT STUDIES - U.S. AEROSPACE INDUSTRIES
N63-12855 07-16

MINIMAL COMPRESSION FRACTURE IN HUMANS AS RESULT OF IMPACT DURING B-58 ESCAPE CAPSULE TESTS
N63-12865 07-16

STATE DEPT., WASHINGTON, D.C.
U.S. FOREIGN POLICY IMPLICATIONS OF SPACE SCIENCE
N63-11153 03-01

SPACE SYSTEMS - SHARING BETWEEN COMMUNICATIONS SATELLITE RELAYS AND TERRESTRIAL MICROWAVE RELAYS
TD-937 N63-11929 04-01

STATE U. OF NEW YORK AT BUFFALO.
SCOPE & MECHANISM OF REARRANGEMENT OF BENZYL ALKYL ETHERS INDUCED BY ORGANOMETALLIC BASES
AROD-2650-4 N63-22396 23-07

STAUFFER CHEMICAL CO., RICHMOND, CALIF.
HIGH ENERGY OXIDIZERS - NUCLEAR MAGNETIC RESONANCE AND INFRARED SPECTRUM STUDIES OF IONIC STRUCTURE OF CHLORINE TRIFLUORIDE COMPLEXES
N63-20943 21-07

STAUFFER CHEMICAL CO., WESTON, MICH.
HIGH TEMPERATURE RESISTANT POLYMERIC FILM-FORMING MATERIALS
NASA-CR-50953 N63-21351 22-19

STERREWACHT SONNENBORGH, UTRECHT /NETHERLANDS/.
SATELLITE OBSERVATIONS IN THE NETHERLANDS AND COMPUTER PROGRAM TO PREDICT APPARENT PATH
N63-13531 08-29

STEVENS INST. OF TECH., HOBOKEN, N.J.
SURFACE-PIERCING HYDROFOIL STABILITY DERIVATIVES BY FREE OSCILLATION TECHNIQUE
N63-11312 03-11

HYDROFOIL MOTIONS IN IRREGULAR SEAS
N63-11313 03-11

ELECTROHYDRODYNAMICS OF SUPERFLUIDITY FLOW OF LIQUID HELIUM IN NARROW CHANNELS
N63-11408 03-11

WAVE RESISTANCE REDUCTION OF SUBMERGED BODY SURFACE GEOMETRY N63-14897 11-11

INTERFERENCE EFFECTS OF SUBMERGED FINITE ASPECT RATIO HYDROFOIL ON SURFACE-PIERCING STRUT
N63-19441 19-04

UNDERWATER TRAJECTORIES FOR FINNED BODY MISSILES - NONLINEAR MOTION EQUATIONS
R-898 N63-19513 19-22

DIHEDRAL HYDROFOIL FULLY VENTED SURFACE-PIERCING - HEAVING AND PITCHING MOTION IN LONG CRESTED IRREGULAR SEAS
R-958 N63-21266 21-04

IMPROVED FIRST-ORDER SUPERCAVITATING HYDROFOIL THEORY
R-971 N63-21281 21-02

ACOUSTIC RADIATION OF CYLINDRICAL BAR AND INFINITE ELASTIC PLATE EXCITED BY SHIP PROPELLER FIELD
DAVIDSON LAB. REPT.-888 N63-22229 23-23

GUST RESPONSE AND WAVE HEIGHT SPECTRA FROM SPECTRAL THEORY FOR PREDICTING UNSTEADY HYDROFOIL LIFT

R-982 N63-23787 24-04

STOCKHOLM U. /SWEDEN/.
THEORETICAL INVESTIGATIONS OF ELECTRONIC STRUCTURES AND STATES OF MOLECULES AND CRYSTALS N63-23267 24-25

CRYSTAL OF ZIRCONIUM-OXYGEN SYSTEM N63-23268 24-25

ENERGY BAND CALCULATIONS FOR ZIRCONIUM-OXYGEN CRYSTALS N63-23269 24-25

FORTRAN PROGRAM FOR SYMMETRY PROJECTION OF BLOCH ORBITALS FORMING LINEAR COMBINATIONS OF ATOMIC ORBITALS IN CRYSTALS OF ARBITRARY SYMMETRY N63-23270 24-25

OBTAINING ELECTRONIC WAVE FUNCTIONS AND STUDY OF CHANGING OXYGEN-HYDROGEN BOND PROPERTIES N63-23271 24-25

STRATEGIC AIR COMMAND, OFFUTT AFB, NEB.
MILITARY ASPECTS OF MANNED SPACE FLIGHT - COMMAND AND CONTROL OF STRIKE FORCES N63-23203 24-32

SUFFIELD EXPERIMENTAL STATION, RALSTON, ALBERTA /CANADA/.
CONVENTIONAL SHOCK TUBES FOR GENERATION OF VERY LOW PRESSURE WAVES
SUFFIELD-TN-92 N63-14776 11-11

SUNDSTRAND AVIATION-DENVER, DENVER, COLO.
HIGH TEMPERATURE LIQUID METAL HEAT TRANSFER - TEST LOOPS FOR OBTAINING HEAT TRANSFER COEFFICIENTS FOR RUBIDIUM N63-15019 11-13

15-KW DYNAMIC POWER SYSTEM FOR SPACECRAFT USE
ASD-TDR-62-1002 N63-17932 16-06

SUNDSTRAND AVIATION-DENVER, PACOIMA, CALIF.
FEASIBILITY OF A THIONINE PHOTOGALVANIC POWER GENERATING SYSTEM
ASD-TDR-62-373 N63-10744 02-06

SVENSKA FLYGMOTOR A. B., TROLLHATTAN /SWEDEN/.
AIR MASS FLOW REQUIREMENTS FOR VERTICAL TAKEOFF OF AUTOGYRO N63-17387 15-04

SWEDISH STATE SHIPBUILDING EXPERIMENTAL TANK, GOTEBORG.
PROPELLER DESIGN METHODS BASED ON VORTEX THEORY - OPEN WATER AND CAVITATION TUNNEL TESTS N63-13371 08-11

SYLVANIA ELECTRIC PRODUCTS, INC., MOUNTAIN VIEW, CALIF.
NONPARAMETRIC TECHNIQUE FOR RELIABILITY COMPARISONS N63-10386 01-20

SYLVANIA ELECTRIC PRODUCTS, INC., NEEDHAM, MASS.
SUBMICROSECOND SIMULATION COMPUTER PROGRAM - PART II, DESIGN, MEMORY, CIRCUITS
MRL-TDR-62-27/II/ N63-10731 02-20

TRANSFER FUNCTIONS IN MATHEMATICAL SIMULATION FOR RELIABILITY PREDICTION - DISTRIBUTION, INTEGRAL, AND FREQUENCY FUNCTIONS
RADC-TDR-63-87 N63-15327 12-20

GUIDANCE SENSOR FOR HIGH PRECISION CONTROL OF OAO NEEDED WHEN EXAMINING RADIATION FROM SELECTED STARS
AIAA PAPER-63-211 N63-18215 17-15

SYLVANIA ELECTRIC PRODUCTS, INC., TOWANDA, PA.
IMPROVED MOLYBDENUM SHEET BY POWDER METALLURGY N63-12730 06-18

SYLVANIA ELECTRIC PRODUCTS, INC., WALTHAM, MASS.
MAGNETOHYDRODYNAMIC WAVE PROPAGATION IN DIPOLE MAGNETIC FIELD
NASA-TN-D-1689 N63-11124 03-24

EXTREMELY-LOW-FREQUENCY WAVE MOTIONS
AFCRL-63-491 N63-16729 14-24

COMPARISON BETWEEN SPECTRAL SCANNING THEORY AND CLASSICAL COLOR VISION THEORIES
NASA-CR-50350 N63-17230 15-22

TECHNIQUES FOR ANALYSIS AND PREDICTION OF EQUIPMENT RELIABILITY DURING DESIGN N63-17296 15-17

SPECTRAL THEORY OF COLOR PERCEPTION AND VISUAL ADAPTATION IN TERMS OF SPATIAL ENERGY DISTRIBUTION AND MODULATED WAVEFORMS PRODUCED BY SCANNING
NASA-CR-50351 N63-17483 16-14

MAGNETOHYDROMAGNETIC WAVES IN CONSTANT DIPOLE MAGNETIC FIELD
NASA-CR-50216 N63-18404 17-24

EFFECT OF PHOTOGRAPHIC AND PROJECTION FILTERS ON PERCEPTION OF TWO COLOR MIXTURES
F-2022-1 N63-20301 20-22

SYLVANIA ELECTRONIC SYSTEMS, WALTHAM, MASS.
MICROELECTRONICS - INTEGRATED PASSIVE AND ACTIVE THIN FILM TECHNOLOGY N63-17367 15-17

VISUAL PERCEPTION OF COLOR IN SPACE EXPLORATION - APPLICATION AND INSTRUMENTATION
NASA-CR-51343 N63-21731 22-15

COLOR VISION - THEORY OF SPECTRAL SCANNING
NASA-CR-51807 N63-22578 23-22

ULTRAHIGH VACUUM EVAPORATOR FOR DEPOSITING ACTIVE SILICON AND/OR GERMANIUM FILMS - OPTICAL AND HALL EFFECT STUDIES
Q445-2 N63-22631 23-19

ULTRAHIGH VACUUM DEPOSITION OF SILICON AND/OR GERMANIUM SEMICONDUCTOR FILMS - OPTICAL STUDIES, ELECTRON DIFFRACTION, AND HALL EFFECT
Q445-3 N63-22632 23-09

HIGH VACUUM DEPOSITED ACTIVE THIN FILM SEMICONDUCTORS, DIODES, AND TRANSISTORS
Q445-4 N63-22633 23-09

WEIGHT DISTRIBUTION AND RELATED PROBLEMS FOR CYCLIC ERROR-CORRECTING CODES
S-1015-2 N63-23375 24-09

HYDROMAGNETIC WAVE PROPAGATION IN CONSTANT DIPOLE MAGNETIC FIELD
NASA-CR-51994 N63-23507 24-09

SYRACUSE U., N.Y.
CREEP BUCKLING OF SPHERICAL SHELLS N63-10850 02-33

INTERACTION OF TRANSVERSELY IMPINGING JETS - FLUID AMPLIFICATION N63-13397 08-11

IMPURITY ELECTRONIC STATE ASSOCIATED WITH SUBSIDIARY ENERGY BAND MINIMA IN SEMICONDUCTORS N63-15875 13-25

CRACK INITIATION IN METALLIC MATERIALS - TUNGSTEN
MET-E-1040-6305Q2 N63-20370 20-18

STRESS CONCENTRATION EFFECT ON BRITTLENESS, TENSILE DEFORMATION, AND PLASTIC FLOW IN CERAMICS AND METALS
ASD-TDR-63-380 N63-20703 21-33

METHOD OF GENERATING POSITIVE REAL FUNCTIONS FOR ELECTRICAL LINEAR CIRCUITS AND NETWORKS
RADC-TDR-63-328 N63-21676 22-09

APPLICATION OF SCHWARZS MATRIX AND JENSENS INEQUALITY TO IMPEDENCE OF LINEAR PASSIVE CIRCUITS
RADC-TDR-63-329 N63-21819 22-09

SYRACUSE U. RESEARCH INST., N.Y.
DEFORMATIONS AND STABILITY OF SPHERICAL SHELLS UNDER ACTION OF CONCENTRATED LOADS AND UNIFORM PRESSURE
SURI-TR-834/11/ NO. 4 N63-10113 01-33

DEFORMATION AND STABILITY OF SPHERICAL SHELLS SUBJECTED TO ASYMMETRICAL LOADINGS N63-10849 02-33

PROPERTIES OF METALS AND ALLOYS FOR AIR WEAPONS
ARDC-TR-59-66 N63-11721 04-18

AIR WEAPONS MATERIALS - METALS AND ALLOYS HANDBOOK
ARDC-TR-59-66, SUPPL. I N63-11722 04-18

PROBABILISTIC NETWORK STUDY - SYSTEM RELIABILITY
AFCRL-62-724 N63-13153 07-09

MEASUREMENT OF DIFFRACTION FIELDS OF FINITE CONES BY LIGHT SCATTERING TECHNIQUE
RADC-TDR-63-15 N63-15038 11-23

EFFECT OF STRESS GRADIENT AND STRESS BIAXIALITY ON NOTCH STRENGTH OF BRITTLE AND DUCTILE MATERIALS
ASD-TR-61-725 N63-15333 12-33

SENSITIVITY IN ACTIVE NETWORK SYNTHESIS
SURI-EE975-6304SR1 N63-16150 13-09

TRANSIT TIME EFFECTS IN PHASED ARRAYS
RADC-TDR-63-67 N63-16554 14-08

DEFORMATIONS AND STABILITY OF SPHERICAL SHELLS UNDER ECCENTRIC CONCENTRATED LOADS AND UNIFORM PRESSURE
SURI-TR-834-6 N63-17061 15-33

DEFORMATION AND STABILITY OF SPHERICAL SHELLS
SURI-TR-834-5 N63-17712 16-33

EFFECT OF SECTION SIZE ON BEND & NOTCH BEND STRENGTH OF ALUMINUM, METHYL METHACRYLATE, & STEEL
MET-1078-863-I1 N63-20674 20-33

RELATIONSHIP BETWEEN LOW FREQUENCY NOISE AND FAILURE IN RESISTORS AND SEMICONDUCTOR DEVICES
RADC-TDR-63-338 N63-21798 22-09

SYRACUSE U., UTICA, N.Y.
RANDOMIZATION TESTS OF STATISTICAL INFERENCE - RELIABILITY TESTING OF AIR FORCE GROUND ELECTRONIC EQUIPMENT
RADC-TDR-62-499 N63-17711 16-20

SYSTEM DEVELOPMENT CORP., SANTA MONICA, CALIF.
BOUNDED ALGORITHMIC LANGUAGES IN PROGRAMMING
AFCRL-63-89 N63-15364 12-20

QUEUING PROBLEMS WITH BALKING AND RENEGING
SP-372/001/01 N63-15821 13-20

QUEUING WITH RENEGING AND MULTIPLE HETEROGENEOUS SERVERS
SP-373/000/01 N63-15908 13-20

SET THEORY IN ALGORITHMIC LANGUAGES - COMPUTER LANGUAGE
SDC-TM-738-003-00 N63-19508 19-20

AIR FORCE SATELLITE CONTROL FACILITY AND ITS COMPUTER PROGRAM SUBSYSTEM
SP-1022 N63-22731 23-30

SYSTEM RESEARCH LTD., RICHMOND /GT. BRIT./
GROUP DECISION-MAKING AND COMMUNICATIONS PATTERNS UNDER CONDITIONS OF STRESS AND OVERLOAD IN SELF-ORGANIZING SYSTEM N63-21909 22-08

SYSTEMS ANALYSIS AND RESEARCH CORP., BOSTON, MASS.
COMPARATIVE COST ANALYSIS OF MICROWAVE AND WIRELINE RADAR REMOTING TECHNIQUES FOR AIR TRAFFIC CONTROL N63-15814 13-01

SYSTEMS RESEARCH GROUP, INC., NEW YORK, N.Y.
ANALYSIS AND SYNTHESIS OF ARBITRARILY TERMINATED TAPERED TRANSMISSION LINES
RADC-TDR-63-394 N63-22131 22-09

SYSTEMS TECHNOLOGY, INC., INGLEWOOD, CALIF.
APPROXIMATE LONGITUDINAL TRANSFER FUNCTIONS FOR A FLEXIBLE AIRFRAME
ASD-TDR-62-279 N63-10749 02-34

HANDLING QUALITIES IN CLOSED-LOOP ROLL TRACKING TASKS BY AILERONS ALONE
ASD-TDR-62-507 N63-11785 04-04

PERFORMANCE CRITERIA FOR LINEAR CONSTANT-COEFFICIENT SYSTEMS WITH RANDOM INPUTS - FLIGHT CONTROL OPTIMIZATION
ASD-TDR-62-470 N63-13518 08-20

FLIGHT CONTROL SYSTEMS, LINEAR TIME VARYING SYSTEM AND VEHICLE EQUATIONS OF MOTION
ASD-TDR-62-362 N63-13544 08-20

SENSITIVITY AND MODAL RESPONSE FOR SINGLE-LOOP AND MULTILOOP CONTROL SYSTEM N63-13638 08-20

CARRIER APPROACH - LONGITUDINAL PILOTED CONTROL
N63-16157 13-14

COUPLING OF RIGID AND ELASTIC DEGREES OF FREEDOM OF AN AIRFRAME - AUTOPILOT SYSTEM
ASD-TDR-63-334, PT. VI N63-21691 22-02

DYNAMIC COUPLING OF RIGID AND ELASTIC DEGREES OF FREEDOM OF AIRFRAMES
ASD-TDR-63-334, PT. III N63-21692 22-02

APPLICATION OF FLEXIBLE AIRFRAME TRANSFER FUNCTION APPROXIMATIONS & SENSITIVITY OF AIRFRAME TRANSFER FUNCTIONS TO ELASTIC MODE SHAPES
ASD-TDR-63-334, PT. II N63-21693 22-02

FLEXIBLE AIRFRAME EQUATIONS OF MOTION - ELASTIC DEGREES OF FREEDOM, DYNAMIC REPRESENTATION, GENERAL SOLUTION FOR ALL ELASTIC SYSTEMS
ASD-TDR-63-334, PT. I N63-21694 22-02

PILOT-INDUCED OSCILLATIONS IN T-38 AIRCRAFT ANALYZED BY PILOT-VEHICLE SYSTEM THEORY
N63-22534 23-04

AIRCRAFT HANDLING QUALITIES - HUMAN RESPONSE-MACHINE SYSTEM CONCEPT N63-23262 24-14

MAN-MACHINE SYSTEM - HUMAN AND MACHINE INPUT-OUTPUT N63-23263 24-14

HANDLING QUALITIES THEORY DERIVED FROM PILOT-VEHICLE SYSTEM CONSIDERATIONS
N63-23264 24-14

T

TECHNICAL INFORMATION SERVICE, WASHINGTON, D.C.
BIBLIOGRAPHY - MOON EXPLORATION
N63-22784 23-01

TECHNICAL OPERATIONS, INC., BURLINGTON, MASS.
HYPERVELOCITY PARTICLE EFFECTS ON MATERIAL
TO-B-62-3 N63-10161 01-34

TECHNICAL RESEARCH GROUP, INC., MELVILLE, N.Y.
LASER DEVICES & DIFFERENT MEANS OF PRODUCING LASER ACTION
TRG-134-QTR-5 N63-23556 24-25

TECHNICAL RESEARCH GROUP, INC., PALO ALTO, CALIF.
WIRE-GRID LENS - DIELECTRIC CONSTANT OF WIRE MESH GRIDS
TRG-TDR-1 N63-12714 06-08

TECHNICAL RESEARCH GROUP, INC., SYOSSET, N.Y.
LINEARIZED THEORY OF THE UNSTEADY MOTION OF A PARTIALLY CAVITATED HYDROFOIL
TRG-153-SR-1 N63-10454 01-11

VENTILATED FLOW MODEL, CAVITY LENGTH AND DRAG
TRG-156-SR-1 N63-10751 02-11

PROPERTIES OF GASEOUS & SOLID-STATE LASER DEVICES, CESIUM & RUBY
TRG-134-QTR-2 N63-11436 03-23

THE FABRY-PEROT LASER RESONANCES
AFCRL-62-778 N63-11672 04-23

LATERAL RESPONSE OF HYDROSKIMMER CRAFT TO CONTROL DEFLECTION
TRG-158-FR N63-11884 04-11

HYDRODYNAMIC THEORY - CALCULATION OF MOTION OF SHIP IN WAVES
TRG-140-FR N63-12183 05-11

CALCULATIONS OF LIFT, MOMENT, AND CAVITY LENGTH FOR OSCILLATING PARTIALLY CAVITATED HYDROFOIL
TRG-153-SR-2 N63-13137 07-11

WIDE FLARE HORN ANTENNA FEED DESIGN - RADIATION PATTERNS, LOW NOISE, BROADBAND & HIGH APERTURE EFFICIENCY CAPABILITIES
AFCRL-62-757 N63-13988 09-08

ANALYSIS OF POWER OUTPUT VERSUS FREQUENCY OF DOPPLER LINE SHAPE - OPICALLY PUMPED AND GASEOUS LASERS AND EFFICIENCY OF RUBY OSCILLATORS
TRG-134-QRT-3 N63-14545 10-25

MILLIMETER WAVE AMPLIFICATION BY RESONANCE SATURATION
RADC-TDR-63-84 N63-15062 11-08

INTERPRETATION OF MEASUREMENTS IN ARC-JET WIND TUNNEL - HIGH TEMPERATURE RESEARCH
N63-15337 12-11

CAVITY SHAPE AND DRAG ANALYSIS FOR VENTILATED FLOW AROUND STRUTS - APPLICATION TO STRUT-HYDROFOIL SYSTEMS DESIGN
TRG-156-SR-2 N63-15343 12-11

AMPLIFICATION OF ELECTROMAGNETIC RADIATION IN 3.4 MILLIMETER WAVE RESONANT CAVITY FILLED WITH HYDROGEN CYANIDE GAS
RADC-TDR-63-253 N63-18625 17-09

PROPERTIES OF LASER DEVICES - DEFENDER PROJECT
TRG-134-QTR-4 N63-18672 17-25

BOLTZMANN EQUATIONS APPLIED TO SEPARATION OF BINARY GAS MIXTURE AT POROUS WALL
K-1580 N63-20705 21-11

SYNTHESIS OF SEMICONDUCTOR MATERIALS USING NUCLEAR RADIATION
NYO-10472 N63-21315 21-25

TECHNICAL RESEARCH GROUP, INC., MENLO PARK, CALIF.
DIRECTION FINDING PROPERTIES OF HF WIRE GRID LENS ANTENNA - MONOPULSE, AMPLITUDE COMPARISON, AND PHASE COMPARISON DIRECTION FINDING SYSTEMS
RADC-TDR-63-51 N63-19346 18-08

TECHNICAL U., COPENHAGEN /DENMARK/.
INFLUENCE OF GROUND INHOMOGENEITIES ON RECEPTION OF SKYWAVE SIGNALS - CONDUCTIVITY CONTRAST NEAR A COASTLINE
S-75-R-26 N63-19430 19-08

PROBLEM OF SKYWAVE FIELD FROM ELECTRIC DIPOLE ON INHOMOGENEOUS PLANE N63-19526 19-23

ROCKETBORNE MEASURING EQUIPMENT IN ANDOYA
N63-21082 21-12

LITERATURE SURVEY OF RADIO WAVE PROPAGATION OVER GROUND WITH VARYING ELECTRIC CONSTANTS
AFCRL-62-545 N63-21222 21-09

FRESNEL ZONES FOR GROUND-BASED ANTENNAS
AFCRL-63-359 N63-22228 23-08

RADIATION PATTERN FROM VERTICAL DIPOLE IN FORM OF PARAMETRIC CURVES
S-74-R-29 N63-23121 24-08

TECHNICAL U. OF NORWAY, TRONDHEIM.
WAVE RESISTANCE AND MOMENT VALUES FOR SUBMERGED RANKINE SOLID UNDER INTERFACIAL WAVE CONDITIONS
N63-11645 04-20

TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD., HAIFA /ISRAEL/.
BUCKLING OF CONICAL SHELLS UNDER EXTERNAL TORSION, PRESSURE, AND AXIAL COMPRESSION
TAE-19 N63-21864 22-33

TECHNISCHE HOCHSCHULE AACHEN /W. GERMANY/.
TURBOMACHINES - FLOW MEASUREMENT ALONG ROTATING BLADE OF ONE-STAGE AXIAL TURBINE - FLOW PROCESS AS FUNCTION OF BLADE HEIGHT
N63-20867 21-02

GRAIN BOUNDARY MOTION IN SILVER BICRYSTALS AND GROWTH SELECTION IN STRAINED SINGLE CRYSTALS
N63-20939 21-25

TECHNISCHE HOCHSCHULE CAROLO WILHELMINA, BRUNSWICK /W. GERMANY/.
APPROXIMATION METHOD FOR COMPUTATION OF THE COMPRESSIBLE BOUNDARY LAYER UNDER CONTINUOUSLY DISTRIBUTED SUCTION
WGL PAPER-17 N63-10015 01-11

AERODYNAMIC STABILITY DERIVATIVES - STABILITY AND CONTROL N63-20845 21-04

TURBOMACHINES - SECONDARY LOSS IN INCOMPRESSIBLE FLOW AT AXIAL TURBINE CASCADES - EFFECT OF REYNOLDS NUMBER AND TURBINE BLADE VARIABLES
N63-20865 21-02

TURBOMACHINES - IMPELLER BLADING OF AXIAL COMPRESSOR STAGE CALCULATED BY METHODS DERIVED FROM CASCADE THEORY N63-20872 21-02

TECHNISCHE HOCHSCHULE DARMSTADT /W. GERMANY/.
DOUBLE CARRIER CURVE METHOD FOR STUDY OF WINGS NEAR THE GROUND
WGL PAPER-11 N63-10009 01-03

TIME OPTIMAL TURNING MANEUVER OF SUPERSONIC AIRCRAFT
WGL PAPER-22 N63-10020 01-06

EULEREAN AND LAGRANGEAN CORRELATIONS IN ATMOSPHERIC TURBULENCE
AFCRL-63-237 N63-13685 08-21

LARGE-SCALE DIFFUSION IN ATMOSPHERIC TURBULENCE
AFCRL-63-284 N63-16041 13-21

IBM 704 COMPUTATION OF AIR TRAJECTORIES IN BOUNDARY OF ATMOSPHERIC TURBULENCE - WIND VELOCITY
N63-16042 13-21

DEFORMATION OF AIR BODIES IN HORIZONTAL FLOW IN ABSENCE OF ATMOSPHERIC TURBULENT DIFFUSION - WIND FIELD PROFILES
AFCRL-63-801 N63-18977 18-21

DYNAMIC LONGITUDINAL STABILITY OF AIRCRAFT WITH FUSELAGE CONTROLS N63-20152 20-04

FIRST ORDER DECELERATION OF CONTROL SYSTEM ON LONGITUDINAL STABILITY OF AIRCRAFT
N63-20155 20-04

GLASS FIBER REINFORCED PLASTICS - STRENGTH & RIGIDITY FOR STABILITY - CORE TENSILE STRENGTH
N63-20166 20-19

TECHNISCHE HOCHSCHULE HANNOVER /W. GERMANY/.
ELECTROMAGNETIC RADIATION FROM PLASMA OSCILLATIONS AND NARROW-BAND RADIO BURSTS FROM THE SUN
N63-10211 01-05

SCALING LAWS IN STABILITY OF FLAMES ON FLAMEHOLDER
N63-18587 17-26

TECHNISCHE HOCHSCHULE IN GRAZ /AUSTRIA/.
PREPARATION OF BLACK, ACTIVE SODIUM AZIDE - THERMODYNAMICS OF ALKALI AZIDES
N63-15226 11-07

TECHNISCHE HOCHSCHULE MUNCHEN /W. GERMANY/.
HYDROGEN AND OXYGEN EVOLUTION - INFLUENCE OF ADSORBED SUBSTANCES ON PLATINUM AND NICKEL ELECTRODES
ASD-TDR-62-1067 N63-15808 13-07

ELECTRICALLY-SMALL ANTENNAS N63-18084 16-09

IMPEDANCE OF ELECTRICALLY-SMALL ANTENNAS IN DIELECTRIC OR MAGNETIC MEDIUM
N63-18085 16-09

COMBINATION OF DIPOLE ANTENNA WITH TUNNEL DIODE
N63-18086 16-09

TENSION AND STRESS STRAIN DISTRIBUTION IN NOTCHED METAL

ASD-TDR-63-361 N63-18088 16-18

THREE-FUNCTIONS-SET SOLUTION FOR STRESS CONCENTRATION IN PLATES OF ARBITRARY THICKNESS
ASD-TDR-63-515 N63-21441 22-33

TECHNISCHE HOCHSCHULE STUTTGART /W. GERMANY/.
THE MAXIMUM PRINCIPLE AND THE OPTIMIZATION OF FLIGHT MECHANICS
WGL PAPER-23 N63-10021 01-02

AUTOMATIC COUPLING CHART AK3J - NAVIGATION AID FOR AIRCRAFT WITHOUT NAVIGATORS
WGL PAPER-36 N63-10032 01-22

SHROUDED PROPELLER TESTING STAND
N63-20127 20-03

SHROUDED PROPELLER TESTING STAND
N63-20128 20-03

NONLINEAR PROBLEMS OF FLIGHT CONTROL - STABILITY AND CONTROL N63-20154 20-04

PULSED DISCHARGE IN NITROGEN AND HYDROGEN HIGHLY IONIZED PLASMAS
ARL-63-105 N63-22495 23-23

TECHNISCHE U. BERLIN /W. GERMANY/.
MEASUREMENT OF TURBULENT SKIN-FRICTION WITH THE PRESTON TUBE
WGL PAPER-71 N63-10064 01-11

PRESTON TUBE FOR LOCAL SURFACE SHEARING STRESS OF FRICTION LAYER N63-20809 21-15

TECHNOLOGICAL U., DELFT /NETHERLANDS/.
INSTABILITY OF ORTHOGONALLY STIFFENED CYLINDRICAL SHELLS N63-10831 02-33

TECHNOLOGY, INC., DAYTON, OHIO.
EFFECT OF CHANGING SCALE UPON DRAG COEFFICIENT, FILLING TIME, PEAK OPENING FORCE FOR PARACHUTE
ASD-TDR-62-1023 N63-13009 07-03

WIND TUNNEL STUDY OF PARACHUTE CLUSTERING - STATIC STABILITY & DRAG COEFFICIENT OF MULTIPLE CANOPIES
ASD-TDR-63-159 N63-18332 17-03

TELECOMPUTING CORP., DENVER, COLO.
LONG LIFE, DEEP CYCLIC, SEALED SILVER-CADMIUM BATTERY
ASD-TDR-63-560 N63-21712 22-06

TELECOMPUTING CORP., SAN DIEGO, CALIF.
POTENTIAL OF FILAMENT WOUND COMPOSITES
N63-10359 01-19

PERFORMANCE OF PLASTIC LAMINATES UNDER CRYOGENIC TEMPERATURES
ASD-TDR-62-794 N63-10516 01-19

PERFORMANCE OF LAMINATED PLASTIC MATERIALS AT CRYOGENIC TEMPERATURES - EPOXY RESIN MATERIALS TESTS N63-15644 12-19

TELEFUNKEN RESEARCH LAB., ULM/DONAU /W. GERMANY/.
ELECTRONIC APPARATUS RELIABILITY FOR CIVILIAN AND MILITARY AVIATION AND SPACEFLIGHT
N63-20483 20-09

TELETYPE CORP., CHICAGO, ILL.
VOICE AND DATA COMMUNICATION - ASA X3.2 CODE
N63-13362 08-20

TEMCO ELECTRONICS, DALLAS, TEX.
VERY HIGH FREQUENCY LINEAR 4KW AMPLIFIER FA-5438
N63-13023 07-08

IMPROVED RELIABILITY, WEIGHT AND EFFICIENCY OF SILICON CONTROLLED RECTIFIER - SHUNT COMMUTATOR WITH ZENER BLOCKING, SCR STEERING, POWER TAPS
N63-14167 09-06

SHEAR-FORMING, HEAT TREATMENT AND MICROSTRUCTURES OF STAINLESS STEEL, SUPERALLOYS, TITANIUM AND ALUMINUM ALLOYS
ASD-TDR-62-830 N63-14889 11-18

VACUUM TECHNIQUE FOR ATTACHING A TEST FIXTURE TO A VIBRATION EXCITER N63-16765 14-10

RADIO FREQUENCY INTERFERENCE AND ENVIRONMENTAL TESTING OF A MINIATURE SOLID STATE POWER SUPPLY
NASA-CR-50392 N63-18457 17-06

TEMPLE U., PHILADELPHIA, PA.
VOLTAGE MEASUREMENTS IN PRESENCE OF STRONG FIELDS BY ELECTRONIC CANCELLATION OF INDUCED VOLTAGES - EXPLODING WIRE
AFCRL-63-216 N63-13726 08-09

OXYGEN FLUORIDE REACTIONS - DIOXYGEN DIFLUORIDE SUBSTITUTION & ADDITION PRODUCTS, ELECTRIC SPARK PREPARATION OF XENON AND KRYPTON TETRAFLUORIDES
N63-15160 11-07

TENNESSEE U., KNOXVILLE.
LOW DENSITY HYPERVELOCITY WIND TUNNEL DIFFUSER PERFORMANCE
AEDC-TDR-63-30 N63-12254 05-11

NOZZLE THROAT COOLING - EXPANSION OF PRESSURE AND HIGH TEMPERATURE PLASMAS THROUGH CONVERGING SECTION OF A HYPERSONIC WIND TUNNEL NOZZLE
AEDC-TDR-63-58 N63-14607 10-02

INFRARED SPECTRUM OF HYDROGEN FLUORIDE
AFCRL-62-1090 N63-15678 12-23

SPECTRAL ANALYSIS OF LINE BREADTH OF SPECTRAL LINE OF HYDROGEN FLUORIDE
AFCRL-63-262 N63-15782 13-23

ADSORPTION OF POLAR ORGANIC COMPOUNDS ON METAL SURFACES
AROD-2281-4 N63-18140 16-07

ADAPTIVE CONTROL SYSTEMS WITH NONLINEAR COMPENSATORS
NASA-CR-50927/A N63-21724 22-06

TENNESSEE U., OAK RIDGE.
CLINICAL ASPECTS OF RADIATION DAMAGE TO ANIMALS
ORO-605 N63-20438 20-16

TEXACO CORP., BEACON, N.Y.
ABLATION MECHANISMS OF CHARRING POLYMERS DURING HYPERSONIC REENTRY N63-10099 01-19

TEXACO EXPERIMENT INC., RICHMOND, VA.
DISSOCIATION OF NITROGEN BIFLUORIDE RADICAL - HIGH ENERGY PROPELLANT OXIDIZER
EXP-223/1 N63-13461 08-07

COMBUSTION OF ELEMENTAL BORON IN FLUORINE GAS
EXP-223/2 N63-13462 08-26

CRYSTALLOGRAPHY - HIGH PURITY SINGLE-CRYSTAL BORON PREPARATION BY CHEMICAL VAPOR PLATING AND X-RAY DIFFRACTION INSPECTION
ASD-TDR-62-427 N63-13755 08-07

PHOTOLYTIC AND THERMAL DISSOCIATION CHEMISTRY OF NITROGEN-FLUORINE COMPOUNDS
EXP-223/3 N63-14485 10-07

CONDENSATION KINETICS AND MECHANISMS FROM VAPOR PHASE
EXP-328 N63-15213 11-26

DISSOCIATION CHEMISTRY OF NITROGEN FLUORIDE COMPOUNDS
EXP-223/4 N63-18103 16-07

CONDENSATION IN ROCKET NOZZLE FLOW AND HOMOGENEOUS NUCLEATION N63-18575 17-07

ROCKET PROPELLANT PERFORMANCE FACTORS
N63-20500 20-26

SPECTROSCOPY, PHOTOLYSIS, AND ADIABATIC COMPRESSION SHOWING DISSOCIATION CHEMISTRY OF NITROGEN FLUORIDE COMPOUNDS
EXP-223/5 N63-21689 22-07

TEXAS A. AND M. COLL., COLLEGE STATION.
AUTOMATED NEUTRON ACTIVATION ANALYSIS - SAMPLING -

CONTAMINANTS
TEES-2671-2 N63-12076 05-20

COMPUTER COUPLED AUTOMATIC ACTIVATION AND REMOTE LUNAR ANALYSES - CHEMICAL ANALYSIS
N63-13761 08-07

ELLIPTICAL ORBITS - ECCENTRICITY AND ANOMALY DATA COMPUTER SOLUTION OF KEPLER EQUATION
NASA-TR-R-158 N63-16258 13-29

TEXAS A. AND M. RESEARCH FOUNDATION, COLLEGE STATION.
COMPARISON OF ATMOSPHERIC VERTICAL MOTION CALCULATIONS INCLUDING TIROS CLOUD OBSERVATIONS
AFCRL-62-1094 N63-11965 05-21

EVOLUTION AND MOTION OF COLD FRONT AND ITS WEATHER SYSTEMS AS SHOWN BY METEOROLOGICAL SATELLITE PHOTOGRAPHS
AFCRL-62-867 N63-12081 05-21

NUCLEAR ACTIVATION ANALYSIS - TECHNIQUE DEVELOPMENT - APPLICABILITY N63-12650 06-07

TEXAS DEW POINT FRONT AND CLOUD PATTERN AS PHOTOGRAPHED BY TIROS I
AFCRL-63-244 N63-16397 14-21

ELECTRONIC ABSORPTION SPECTRA OF MOLECULAR STRUCTURES IN GROUND AND EXCITED STATES
N63-17776 16-23

FRANCK-CONDON PRINCIPLE AND ELECTRONIC STRUCTURES OF POLYATOMIC MOLECULES IN EXCITED STATES
N63-17777 16-23

ELECTRONIC STRUCTURE OF BENZENE IN EXCITED STATE N63-17778 16-23

POTENTIAL ENERGY LEVELS FOR ELECTRONIC STRUCTURES OF AMMONIA N63-17779 16-23

DOUBLE-MINIMUM POTENTIAL ENERGY IN EXCITED STATE OF CHLORINE DIOXIDE N63-17780 16-23

TEMPERATURE SENSITIVE ABSORPTION BANDS OF AMMONIA AND ITS ISOTOPES N63-17781 16-23

ROTATIONAL STRUCTURE OF VIBRONIC BANDS IN ULTRAVIOLET ABSORPTION SPECTRUM OF SULFUR DIOXIDE VAPOR IN 3400-3900A REGION N63-17782 16-23

TURBULENT EXCHANGE COEFFICIENT RATIOS BASED ON ENERGY BALANCE AND MEAN FLOW PARAMETERS OF MICROMETEORITES MEASURED BY GREEN-GLOW PROJECT
AFCRL-63-629 N63-19128 18-21

MISSILE PROPELLANT EFFECT ON ENVIRONMENTAL POLLUTION
AMRL-TDR-63-75 N63-23574 24-26

TEXAS INSTRUMENTS, INC., DALLAS.
FEASIBILITY OF SIMULATING RADAR ANALYSIS OF THE MOON
AFCRL-62-1120 N63-12362 06-05

TERRAIN QUANTIFICATION - SURFACE GEOMETRY, TOPOGRAPHY, AND MAPPING
AFCRL-63-208 N63-13329 08-12

DIGITAL SEISMOGRAPH SYSTEM
AFCRL-63-433 N63-17439 15-15

VOICE COMMUNICATION SYSTEM - SPEECH PERCEPTION AND RECOGNITION
AFCRL-63-119 N63-17644 16-08

GRAVIMETRY IN LUNAR EXPLORATION
NASA-CR-50772 N63-20192 20-29

MANUFACTURING PROCESS FOR SILICON SEMICONDUCTOR NETWORKS
ASD-IR-7-865/VI/ N63-21008 21-09

SEMICONDUCTOR MANUFACTURING - SILICON DIFFUSED TRANSISTOR RELIABILITY N63-21165 21-09

SEMICONDUCTOR MANUFACTURE - SILICON DIFFUSED TRANSISTOR RELIABILITY N63-21166 21-0

GERMANIUM EPITAXIAL MESA-TRANSISTORS AND SILICON NON-PLANAR EPITAXIAL TRANSISTORS - PROGRESS IN ENGINEERING AND RELIABILITY N63-21193 21-0

DEFECTS IN ANTIMONY DOPED SILICON - THERMAL GRADIENTS, RADIAL STRESS, DISLOCATIONS, SLIP, AND PRECIPITATION N63-21231 21-1

RELIABILITY IMPROVEMENT FOR GERMANIUM TRANSISTORS
N63-22039 22-0

EFFICIENT UTILIZATION OF CHANNEL CAPACITY FOR SPEECH COMMUNICATION
AFCRL-63-316, PT. 2 N63-22191 23-0

FEASIBILITY OF MULTIPLEXING TELETYPE DATA INTO NONSPEECH TIME OF VOCODED SPEECH TRANSMISSION
AFCRL-63-300 N63-22192 23-0

FULL-DUPLEX DIGITAL VOCODER SYSTEM - COMMUNICATIC
SP16-A63 N63-22230 23-0

SPUTTERING IMPURE SILICON DIOXIDE FILM ONTO GALLIUM ARSENIDE WAFERS AND DIFFUSION IN FLOWING HYDROGEN ATMOSPHERE - TRANSISTOR DEVELOPMENT
TI-08-63-62 N63-22942 23-0

FABRICATION OF GALLIUM ARSENIDE TRANSISTOR
TI-08-63-102 N63-22943 23-0

FABRICATION OF GALLIUM ARSENIDE TRANSISTORS
TI-08-63-20 N63-23116 24-0

TEXAS NUCLEAR CORP., AUSTIN.
APPARATUS FOR PROTON IRRADIATION OF SELECTED AREA OF LIVING BIOLOGICAL CELLS AND MONITORING SYSTEM
SAM-TDR-63-26 N63-21185 21-1

TEXAS U., AUSTIN.
INVESTIGATION AND GEOPHYSICAL INTERPRETATIONS OF THE POWER SPECTRA OF THE MAGNETOTELLURIC FIELD OF THE EARTH N63-11201 03-1

DIGITAL METEOROLOGICAL DATA ACQUISITION
AFCRL-62-1087 N63-11234 03-2

SOLUTION FOR ELF WAVE PROPAGATION IN EARTH-IONOSPHERE CAVITY BOUNDED BY INHOMOGENEOUS, ANISOTROPIC IONOSPHERIC MEDIUM
AFCRL-62-792 N63-11340 03-0

ALGAL PHOTOSYNTHETIC GAS EXCHANGER
N63-11466 03-1

ELECTROMAGNETIC INDUCTION METHOD FOR MEASURING PARTICLE VELOCITIES ASSOCIATED WITH STRESS WAVE PROPAGATION IN BARS
AROD-2998-1 N63-11679 04-3

DYMEC DY-5304 DOPPLER TRACKING SYSTEM WITH INCREASED DATA PROCESSING CAPABILITY
DRL-490 N63-11743 04-1

IMPACT PROBE METHOD TO MEASURE LOCAL SKIN FRICTIO IN TURBULENT BOUNDARY LAYER OVER A RANGE OF MACH NUMBERS & PRESSURE GRADIENTS
DRL-498 N63-12165 05-1

EFFECTS OF LOAD PULSE ON SHOCK ABSORBING CHARACTERISTICS OF VERMICULITE CONCRETE AND POLYURETHANE PLASTIC
DASA-1299 N63-12182 05-3

DIRECTION OF VARIABLE ELECTRIC & MAGNETIC FIELDS AT AUSTIN, TEXAS & TIME PHASE RELATION FOR NARROW BAND FREQUENCIES N63-12905 07-1

APPROXIMATE SOLUTION OF THE RADIO FIELD STRENGTH IN THE VICINITY OF A GROVE OF TREES
AFCRL-63-23 N63-14199 09-0

ACOUSTIC FILTERS FOR ATTENUATING NOISE IN LIQUID PIPING
DRL-A-202 N63-14398 10-2

GAS DIFFUSION MEASUREMENT IN AQUEOUS SOLUTIONS
AROD-1948-2 N63-15483 12-1

MICROSCALE VARIATIONS IN RADIO REFRACTIVE INDEX OF ATMOSPHERE - REFRACTOMETER MEASUREMENT OF TURBULENT STRUCTURE WITHIN HEIGHT PROFILE
AFCRL-63-71 N63-16242 13-21

HEAT TRANSMISSION IN LEADS OF ROCKETSONDE THERMISTOR, WIND AND TEMPERATURE DISTRIBUTION AND ENERGY EXCHANGE IN STRATOSPHERE
N63-16921 14-12

OPERATION AND PERFORMANCE OF CEDAR HILL METEOROLOGICAL TOWER FACILITY
AFCRL-63-202 N63-17195 15-10

LOWER ATMOSPHERIC THERMAL RADIATION MEASUREMENT
AFCRL-63-496 N63-17574 16-21

SOURCES OF ERROR IN ROCKETSONDE THERMISTOR DATA - REVIEW OF PROBLEM AREAS IN STRATOSPHERIC METEOROLOGY N63-17645 16-12

METEOROLOGICAL ANALYSES OF ROCKETSONDE WIND AND TEMPERATURE DATA FROM ATMOSPHERE RANGE - 30 TO 80-KM - SEASONAL VARIATION N63-17741 16-12

WIND AND TEMPERATURE BETWEEN 30 AND 80-KM - THERMISTORS FOR ROCKETSONDE OF UPPER ATMOSPHERE
N63-17745 16-12

WAVE PROPAGATION AND ATMOSPHERIC WATER VAPOR ABSORPTION NEAR 183-GC/S WATER VAPOR LINE
N63-18262 17-08

FOREST VEGETATION AS IMPERFECT DIELECTRIC SLAB - RADIO PROPAGATION
AFCRL-63-483 N63-18310 17-16

REMES ALGORITHM APPLIED TO COMPUTER PROGRAMMING, ELLIPTICAL PARTIAL DIFFERENTIAL EQUATIONS, AND RATIONAL APPROXIMATION PROBLEMS
AROD-3772-1 N63-19312 18-20

CURRENT SHEATH DYNAMICS AND MAGNETOSONIC OSCILLATIONS IN MAGNETOPLASMAS
NASA-CR-50854 N63-20250 20-24

WAVE PROPAGATION IN A BOUNDED MAGNETOACTIVE PLASMA
NASA-CR-50853 N63-20251 20-24

DISPERSION RELATIONS FOR PARTIALLY IONIZED GAS
N63-20598 20-11

ANTENNA AND RADIO WAVE PROPAGATION CHARACTERISTICS AT VERY HIGH FREQUENCY NEAR AND IN THE GROUND
AFCRL-63-684 N63-20676 20-08

DESIGN, FABRICATION AND INSTALLATION OF 16-FOOT PARABOLIC REFLECTOR ANTENNA
NASA-CR-50754 N63-21053 21-09

COOPERATIVE GEOMAGNETIC MICROPULSATION MEASUREMENT
ONR-130 N63-21464 22-12

RESONANCES AND WAVES IN ONE- AND TWO-ION SPECIES PLASMAS SUBJECTED TO INTENSE MAGNETIC FIELDS
NASA-CR-50855 N63-21998 22-24

RATIONAL PROGRAM FOR PLANETARY EXPLORATION USING SPACE PROBES OF INCREASING SOPHISTICATION - MERCURY, VENUS, AND MARS DATA REVIEW
N63-23449 24-29

NUCLEAR REACTIONS N63-23463 24-23

RESPONSES OF RHESUS MONKEYS TO PROBABILISTIC SEQUENTIAL DEPENDENCIES N63-23748 24-16

THERM, INC., ITHACA, N.Y.
FLUXGATE MAGNETOMETER - REJECTION RATIO
AIAA PAPER-63-187 N63-18214 17-15

THERMO ELECTRON ENGINEERING CORP., WALTHAM, MASS.
CESIUM THERMIONIC CONVERTERS AND GENERATORS FOR SOLAR SPACE POWER SYSTEMS
ARS PAPER-2571-62 N63-10274 01-06

CHARACTERISTICS OF CESIUM THERMIONIC CONVERTERS
N63-14142 09-06

NUCLEAR THERMIONIC SPACECRAFT POWER SUPPLY
N63-14744 11-06

THIOKOL CHEMICAL CORP., DENVILLE, N.J.
INORGANIC CHEMISTRY OF OXYGEN SUBFLUORIDES
RMD-5009-Q2 N63-12143 05-07

ADVANCED HIGH ENERGY SPACE STORABLE PROPELLANT - OXYGEN BIFLUORIDE, DIBORANE
RMD-5507-F N63-13249 07-26

CHEMISTRY OF OXYGEN SUBFLUORIDES, REACTION WITH PERIODIC GROUP V FLUORIDES AND CHLORINE
RMD-5009-Q3 N63-13982 09-07

ROCKET EXHAUST SAMPLING FOR TWO PHASE EXHAUST FLOW SYSTEMS
RMD-2103-F N63-14980 11-07

USE OF MODULATIONS IN INFRARED RADIATION AS MEANS OF INVESTIGATING SOLID PROPELLANT ROCKET ENGINE-COMBUSTION INSTABILITY N63-15599 12-26

TRACER METHOD FOR BURNING RATE DETERMINATION IN SOLID PROPELLANTS
RMD-5502-F N63-16405 14-26

DETECTION OF HYDROGEN-AIR FIRES AND EXPLOSIONS IN AEROSPACE VEHICLES BY ULTRAVIOLET AND INFRARED RADIATION
ASD-TDR-63-113 N63-17060 15-07

OXYGEN DIFLUORIDE-DIBORANE PROPELLANTS FOR USE IN SPACE PROPULSION SYSTEMS - PERFORMANCE AND SPACE STORABILITY ANALYSIS
AIAA PAPER-63-238 N63-18342 17-26

FLAME ANALYSIS OF DIBORANE-HYDRAZINE SYSTEMS AT LOW PRESSURE N63-18513 17-26

CONDENSATION IN ROCKET NOZZLE FLOW AND HOMOGENEOUS NUCLEATION N63-18575 17-07

RUBBER - PHYSICAL PROPERTIES OF VULCANIZATES BASED ON NITRILE-BUTADIENE RUBBER AND STYRENE RUBBER BLENDS
RD-343-Q1 N63-19886 19-07

THIOKOL CHEMICAL CORP., ELKTON, MD.
SOLID PROPELLANT GRAIN DESIGN
E173-62 N63-10506 01-26

SOLID ROCKET PROPELLANT SYSTEM FOR EXTENDED STORAGE IN SPACE ENVIRONMENT
E194-62 N63-10880 02-26

ANALYSIS OF SOLID PROPELLANT GRAIN DESIGN
E13-63 N63-13566 08-26

USE OF MAWARDI APPARATUS TO MEASURE SURFACE ACOUSTICAL IMPEDANCE OF BURNING SOLID PROPELLANTS - COMBUSTION INSTABILITY
N63-15581 12-26

ACOUSTIC IMPEDANCE IN BURNING SOLID PROPELLANT
E104-63 N63-17511 16-26

THIOKOL CHEMICAL CORP., TRENTON, N. J.
RUBBER - PHYSICAL PROPERTIES OF VULCANIZATES BASED ON NITRILE-BUTADIENE RUBBER AND STYRENE RUBBER BLENDS
RD-343-Q1 N63-19886 19-07

THIRD MEDICAL CLINIC, KRAKOW /POLAND/.
INFLUENCE OF PSYCHIC STATES OF NERVOUS ACTIVITY ON BLOOD COAGULATION RATES N63-18966 18-16

BEHAVIOR OF THROMBIN IN BODY FLUIDS - BLOOD SERUM, CEREBROSPINAL FLUID, URINE, GASTRIC AND DUODENAL JUICES N63-18971 18-16

THOMAS /A.S./, INC., WESTWOOD, MASS.
PATTERN SHAPING FOR LOW SILHOUETTE YAGI ANTENNAS
AFCRL-63-102 N63-16340 13-15

THOMPSON RAMO WOOLDRIDGE, INC., CANOGA PARK, CALIF.
FLIGHT VEHICLE VIBRATION MEASUREMENT AND PREDICTION BY STATISTICAL ANALYSIS
ASD-TDR-62-973 N63-13063 07-33

EXPERIMENTAL VERIFICATION OF VIBRATION CHARACTERISTICS USING STATISTICAL TECHNIQUES - FLIGHT VEHICLES N63-16091 13-33

ON-LINE COMPUTER SYSTEM AND PROGRAMS ALLOWING DIRECT USE OF DIGITAL COMPUTER BY MATHEMATICIANS AND SCIENTISTS IN SPECIALIZED FIELDS
RADC-TDR-63-160 N63-20018 19-20

THOMPSON RAMO WOOLDRIDGE, INC., CLEVELAND, OHIO.
SUNFLOWER THERMODYNAMIC POWER SYSTEM
ARS PAPER-2502-62 N63-10254 01-06

ORBITAL FORCE FIELD BOILING AND CONDENSING EXPERIMENTS - THE SNAP-2 POWERPLANT
ER-4670 N63-10558 01-06

SNAP-2 POWER CONVERSION SYSTEM
ER-4108 N63-10588 02-06

SPACE RADIATOR STUDY - CONDENSER-RADIATORS FOR RANKINE CYCLE SPACECRAFT POWERPLANTS
ER-4544 N63-12200 05-06

TUNGSTEN EMITTERS FOR ION PROPULSION SYSTEM
ASD-TDR-62-756 N63-13198 07-18

CORROSION RESISTANCE OF STRUCTURAL METALS TO MOLTEN LITHIUM HYDRIDE IN AIR, ARGON AND HYDROGEN
ER-4774 N63-13545 08-18

ELECTRON BOMBARDMENT MERCURY ION SOURCE FOR PROPULSION
ARS PAPER-2381-62 N63-15087 11-27

MERCURY WETTING AND NON-WETTING CONDENSATION
ER-5214 N63-15388 12-11

STRAIN AGING AND DELAYED FAILURE IN HIGH-STRENGTH STEELS
ASD-TDR-62-968 N63-15940 13-18

SOLAR POWER SYSTEMS USING THERMIONIC CONVERSION
ER-5038 N63-16108 13-06

LUBRICATION OF TURBOPOWER SYSTEMS BEING DEVELOPED FOR SPACECRAFT NUCLEAR ELECTRIC PROPULSION AND AUXILIARY SYSTEMS N63-17829 16-17

MATHEMATICAL METHODS FOR FLOW INDUCER ANALYSIS
NASA-CR-50993 N63-21124 21-02

SUNFLOWER POWER CONVERSION - SOLAR COLLECTOR, POWER CONVERSION, SPEED CONTROL, TURBO-ALTERNATOR, CONDENSER-SUBCOOLER, LITHIUM HYDRIDE CONTAINMENT
ER-4925 N63-21226 21-06

COMPRESSIBLE AND INCOMPRESSIBLE FLOW IN VORTEX MAGNETOHYDRODYNAMIC POWER GENERATOR
NASA-CR-55125 N63-21727 22-06

TENSILE, THERMAL SHOCK & HOT GAS EROSION TESTS OF TUNGSTEN-COATING COMBINATIONS AND CONSTRUCTION OF FURNACE FOR HIGH TEMPERATURE TESTS
ASD-TDR-63-459 N63-21802 22-19

MEASUREMENT OF THERMAL PROPERTIES OF LITHIUM HYDRIDE AND LITHIUM HYDRIDE-LITHIUM MIXTURES - ENTHALPY AND CONDUCTIVITY
NASA-CR-51371 N63-22167 23-23

TRANSPIRATION COOLING IN THROAT REGION OF NOZZLE SYSTEM
RTD-TDR-63-1036 N63-22380 23-02

SUNFLOWER CONVERSION SYSTEM USING SOLAR POWERED RANKINE SYSTEM
NASA-CR-51779 N63-22577 23-06

TUNGSTEN THIN SECTION FORGING
ER-5498 N63-22820 23-18

SOLAR COLLECTORS FOR ENERGY CONVERSION DEVICES AND THE EFFECT OF SURFACE DISTORTION ON CONVERSION EFFICIENCY
NASA-CR-51542 N63-23522 24-15

VACUUM CHAMBER TEST OF HIGH TEMPERATURE SOLAR THERMIONIC GENERATORS N63-23597 24-13

THOMPSON RAMO WOOLDRIDGE, INC., INGLEWOOD, CALIF.
ELECTRON BEAM, SPOT, FLASH BUTT WELDING OF COMMERCIAL NIOBIUM ALLOYS
ASD-TDR-62-292 N63-10704 02-18

TIMKEN ROLLER BEARING CO., CANTON, OHIO.
STEELS FOR HIGH TEMPERATURE AND HIGH PRESSURE APPLICATIONS N63-11176 03-18

TITANIUM METALS CORP. OF AMERICA, NEW YORK, N.Y.
STABLE BETA TITANIUM ALLOY - STABILITY, TENSILE STRENGTH, AMENABILITY ROLL FORMING TEST PERFORMED
WAL-TR-405/2 N63-15073 11-18

STABLE BETA TITANIUM SHEET ALLOY DEVELOPMENT
WAL-TR-405.2/1 N63-19624 19-18

STABLE BETA-TITANIUM ALLOY - METAL ADDITIONS TO BASE ALLOYS
WAL-TR-405/2-2 N63-22722 23-18

TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK, DELFT /NETHERLANDS/.
FREEZE STORAGE TECHNIQUES FOR MOUSE BONE MARROW CELLS
EUR-242.E N63-20489 20-16

TOKYO U. /JAPAN/.
BURNING RATE OF PERCHLORATE-POLYESTER, CASTABLE, SOLID PROPELLANTS N63-10766 02-26

SHELL STRUCTURE INSTABILITY N63-10857 02-33

BOUNDARY LAYER TRANSITION DUE TO ISOLATED ROUGHNESS N63-11848 04-11

SOLID PROPELLANTS R&D - EFFECTS OF CATALYSTS ON COMPOSITION OF COMBUSTION GASES N63-12402 06-26

ASTRONOMICAL CATALOG OF EQUATORIAL STARS N63-12813 06-05

DEVELOPMENT OF SOUNDING ROCKETS IN JAPAN - RADAR AND OPTICAL TRACKING, MANAGEMENT, AERODYNAMICS, ROCKOON, AND ELECTRONIC EQUIPMENT
NASA-TT-F-87 N63-13251 07-04

SOUNDING ROCKET R&D - PENCIL TO KAPPA-8 N63-13252 07-04

ROCKOON - HIGH ALTITUDE BALLOON LAUNCHER FOR SOUNDING ROCKETS N63-13253 07-04

ELECTRONIC EQUIPMENT FOR KAPPA-8 SOUNDING ROCKET N63-13254 07-08

ROCKET SOUNDING OF UPPER ATMOSPHERE FOR ION DENSITY, WIND VELOCITY, TEMPERATURE DISTRIBUTION COSMIC RAYS, AND ELECTRON DENSITY N63-13255 07-12

PRODUCTION PROBLEMS FOR KAPPA-8 ROCKET AND LAUNCHER N63-13256 07-34

AERODYNAMICS OF KAPPA-8 SOUNDING ROCKET - FLIGHT AND WIND TUNNEL TESTS N63-13257 07-02

LOW NOISE PARAMETRIC AMPLIFIER FOR RADAR TRACKING OF SOUNDING ROCKET N63-13258 07-09

OPTICAL TRACKING OF SOUNDING ROCKETS BY CAMERA N63-13259 07-08

SOUNDING ROCKET MANAGEMENT N63-13260 07-01

CONTRIBUTION TO SOLUTION OF EFFECTIVE BANDWIDTH, FLANGE STRESS DISTRIBUTION, BRIDGE DESIGN, STRUCTURAL ENGINEERING N63-14309 10-33

BASE PRESSURE ON TWO-DIMENSIONAL BLUNT-TRAILING EDGE WINGS AT SUPERSONIC SPEEDS N63-16039 13-02

SHOCK TUBE IGNITION OF METHANE-OXYGEN MIXTURES N63-18519 17-26

AEROTHERMOCHEMICAL ANALYSIS OF EROSIVE BURNING OF SOLID PROPELLANT - HOT GAS STREAM EFFECTS ON

BURNING RATE N63-18538 17-26

COMBUSTION PROCESSES AND FLAME PROPAGATION IN SPARK IGNITED INTERNAL COMBUSTION ENGINE - IONIZATION GAP STUDY N63-18599 17-26

SOUNDING ROCKETS IN SPACE EXPLORATION N63-18917 18-04

RELIABILITY CRITERION FOR SELECTION OF DESIGN STRUCTURAL STRENGTH FOR BUILDINGS SUBJECT TO WIND LOADING N63-20044 19-33

RAREFIED GAS DYNAMICS - SHARP LEADING EDGE PROBLEM IN RAREFIED HYPERSONIC FLOW N63-21597 22-11

THERMOANALYTIC STUDIES OF THERMAL STABILITY OF HIGH POLYMERS - AUTOMATIC RECORDING THERMOBALANCE & THERMOGRAVIMETRIC ANALYSIS OF POLYETHYLENE N63-23054 24-15

TORONTO U. /CANADA/.
CHARACTERISTICS OF A RECTANGULAR WING WITH A PERIPHERAL JET IN GROUND EFFECT - PART 2
UTIA-TN-59 N63-10543 01-04

GYROSTABILIZATION OF AN ELLIPTIC WING WITH PERIPHERAL JET HOVERING IN GROUND EFFECT
UTIA-TN-60 N63-10544 01-04

REENTRY PHYSICS, RAREFIED GASDYNAMICS, PLASMA PHYSICS, SPACE SCIENCES N63-10601 02-01

FATIGUE OF ALUMINUM ALLOY SPECIMENS UNDER RANDOM AXIAL LOADING
UTIA-21 N63-10635 02-33

AERODYNAMIC NOISE FROM JETS AND FLOWS, FLUID DILATATIONS
UTIA-86 N63-10636 02-23

SELF-PROPELLED GETOL MODEL AIRCRAFT PROPULSION SYSTEM
UTIA-TN-64 N63-14354 10-27

ATTITUDE STABILITY OF GRAVITY-ORIENTED COMPOUND SATELLITE SYSTEMS - PART II, THEORY AND MOTION IN ORBITAL PLANE
UTIA-89 N63-14355 10-30

HYPERVELOCITY LAUNCHERS WITH APPLICATIONS TO SPACE FLIGHT - PART I, CONSTANT AREA, SINGLE STAGE, LIGHT-GAS GUNS
UTIA-REV-22 N63-14400 10-10

BOUNDARY LAYER NOISE - THIN STEEL PLATES IN TURBULENT FLOW
UTIA-87 N63-14834 11-33

AERODYNAMIC INSTABILITY OF NONLIFTING BODIES TOWED BENEATH AN AIRCRAFT
UTIA-TN-65 N63-14844 11-02

NUMERICAL ANALYSIS FOR FREE-MOLECULE IMPACT-PRESSURE RELATION FOR CIRCULAR TUBES OF ZERO ANGLE OF ATTACK
UTIA-88 N63-14866 11-20

MAGNETOGASDYNAMICS RESEARCH - STEADY PLASMA FLOW AND IONIZED GAS FLOW PRODUCED BY SHOCK TUBES - INFLUENCE OF ELECTRIC AND MAGNETIC FIELDS
AD-283026 N63-16917 14-24

FATIGUE OF ALUMINUM ALLOYS UNDER RANDOM LOADING
UTIA-84 N63-17493 16-33

ANNULAR JET FLOW OF V/STOL AIRCRAFT - DEPENDENCE ON GROUND EFFECT AND ANGLE-OF-ATTACK
UTIA-TN-63 N63-17557 16-02

EFFICIENCY OF ENERGY TRANSFER BY MAGNETICALLY DRIVEN SHOCK WAVES IN T-TUBE
UTIA-TN-52 N63-17558 16-24

TWO-DIMENSIONAL JET FLAPS - THRUST - ANGLE OF ATTACK
UTIA-90 N63-17600 16-03

PHOTOELASTICITY - PLANE & CIRCULAR POLARISCOPES - GONIOMETRIC COMPENSATION - INDEX OF REFRACTION - BIREFRINGENT COATING
UTIA-23 N63-17626 16-33

SODIUM LINE REVERSAL TEMPERATURE MEASUREMENTS OF NITROGEN AND AIR IN SHOCK TUBE
UTIA-TN-66 N63-19188 18-11

RAREFIED GAS DYNAMICS - USE OF LANGMUIR PROBE IN LOW DENSITY PLASMA FLOW N63-21612 22-24

RAREFIED GAS DYNAMICS - ELECTRON BEAM DENSITY, TEMPERATURE PROBE AND EXAMINATION OF ELECTRO-LUMINESCENCE SPECTRA N63-21613 22-24

HYPERVELOCITY LAUNCHERS - REENTRY PHYSICS, IMPACT, GASDYNAMICS AND AERODYNAMICS
ARL-63-86 N63-22342 23-30

LANGMUIR PROBE MEASUREMENTS IN STAGNATION POINT BOUNDARY LAYER OF BLUNT-NOSED BODY IN SUPERSONIC PLASMA FLOW - ELECTRON DENSITY
UTIA-TN-58 N63-22413 23-24

PRESSURE MEASUREMENT IN TRANSITION AND FREE MOLECULE FLOWS AT SUBSONIC SPEEDS USING ORIFICE PROBES
UTIA-TN-67 N63-22671 23-11

TRACOR, INC., AUSTIN, TEX.
ELECTROCHEMICAL AND CONDUCTIMETRIC STUDIES OF ANHYDROUS HYDROGEN FLUORIDE
TRACOR-63-216-U N63-19868 19-07

TRAINING CENTER FOR EXPERIMENTAL AERODYNAMICS, RHODE-SAINT-GENESE /BELGIUM/.
BLUNT TRAILING EDGE BLADES FOR SUPERSONIC COMPRESSORS
WGL PAPER-19 N63-10017 01-03

V/STOL AIRCRAFT TESTING FOR GROUND EFFECTS
WGL PAPER-30 N63-10028 01-04

MATHEMATICAL STUDY ON KINETIC THEORY OF GASES - ONE-DIMENSIONAL MATHEMATICAL MODEL FOR BOLTZMANN EQUATION
TCEA-TN-10 N63-11747 04-20

COMPRESSIBLE LAMINAR BOUNDARY LAYER FOR FLAT PLATE WITH CONSTANT HEAT FLUX
TCEA-TN-11 N63-18030 16-20

INTERMITTENT HYPERSONIC WIND TUNNEL H-1
TCEA-TM-15 N63-18031 16-10

TRANSLATIONS, NEW YORK, N.Y.
MANY-PARTICLE THEORY - MOTION AS INTRINSIC PROPERTY OF A PARTICLE, INDEPENDENT OF EXTERNAL MOTIVE FORCES - APPLICATIONS
AEC-TR-3406 N63-12233 05-23

TRAVELERS RESEARCH CENTER, INC., HARTFORD, CONN.
RADAR MAPS FOR WEATHER FORECASTING N63-19675 19-21

DATA PROCESSING OF RADAR ECHO DISTRIBUTIONS FOR WEATHER FORECASTING AND ANALYSIS N63-19917 19-20

MOVING-COORDINATE PREDICTION MODELS APPLIED TO NORTH AMERICAN CYCLONES & WEATHER FORECASTING N63-19937 19-21

DISCRIMINANT COMPUTER ANALYSIS OF CLEAR AIR TURBULENCE N63-19980 19-21

WEIGHTED AVERAGE COMPUTATIONS OF SURFACE VISIBILITY AT GRID POINTS FOR AIRCRAFT TRAFFIC CONTROL N63-19981 19-21

RADIOSONDE OBSERVATIONS TO DIAGNOSE AMOUNT OF CLOUDS IN ATMOSPHERIC LAYERS N63-20046 19-21

METEOROLOGICAL EVALUATION OF 2 TO 7 HOUR WEATHER FORECASTING TECHNIQUES FOR AIR TRAFFIC CONTROL N63-20067 20-22

WEATHER DATA PROCESSING R&D PROGRAM FOR AVIATION APPLICATIONS N63-20068 20-22

ANALYSIS OF PRECIPITATION OCCURRENCE USING GROUND GRID-POINT WEATHER STATIONS N63-20078 20-21

CLOUD AND CEILING PREDICTION BY ADVECTION AND LINEAR LAG - WEATHER FORECASTING N63-20221 20-21

EXPERIMENTAL INPUT-DATA-HANDLING PROCEDURES FOR WEATHER OBSERVATIONS FROM THE FEDERAL AVIATION AGENCY MESOMETEOROLOGICAL NETWORK N63-20222 20-21

STATISTICAL OPERATORS FOR PREDICTING LOW CLOUDS AND CLOUD BASE HEIGHTS N63-20263 20-21

SPACE & TIME VARIATIONS IN ATMOSPHERIC TRANSMISSION AT RUNWAY - SHORT RANGE WEATHER FORECASTING FOR AIR TRAFFIC CONTROL N63-20269 20-08

TRINITY COLL., DUBLIN /IRELAND/.
GENETIC INSTABILITY IN BACTERIA - CONTROLLING EPISOMES N63-22535 23-16

TUFTS COLL., MEDFORD, MASS.
SPECTROSCOPY OF SOLID STATE SURFACES CONTAINING ABSORBED MOLECULES, GERMANIUM, SILICON
AFCRL-62-585 N63-10759 02-25

TUFTS U., MEDFORD, MASS.
BROAD-BAND MICROWAVE SPECTROMETER - PERFORMANCE & USE IN MEASURING ATTENUATION, REFLECTION, AND PRESSURE BROADENING OF MOLECULAR TRANSITIONS N63-23404 24-15

TULANE U., NEW ORLEANS, LA.
GROSS STRUCTURE AND STEREOCHEMISTRY OF DIMERS OF CYCLOBUTANE DERIVATIVE
AROD-2914-13 N63-20975 21-25

TURKU U. /FINLAND/.
ZONE OBSERVATIONS WITH LARGE ZENITH TELESCOPE N63-11557 04-05

APLANATICALLY STABILIZED TELESCOPE OBJECTIVE N63-11558 04-05

TYCO, INC., WALTHAM, MASS.
TRAVELING SOLVENT METHOD OF CRYSTAL GROWTH - SILICON CARBIDE, GALLIUM ARSENIDE, DEPOSITION
AFCRL-62-503 N63-11669 04-25

HYDROGEN DIFFUSION THROUGH PALLADIUM & PALLADIUM-SILVER MEMBRANES FOR FUEL CELL ELECTRODES N63-23551 24-09

TYCO LABS., INC., WALTHAM, MASS.
ULTRAHIGH VACUUM HEAT TREATMENT OF SILICON CARBIDE AND EVAPORATION OF CHROMIUM ONTO CLEAN SURFACES
AFCRL-62-971 N63-12670 06-25

TRAVELING SOLVENT METHOD OF SILICON CARBIDE CRYSTAL GROWTH
AFCRL-63-75 N63-14646 10-07

SINGLE CRYSTAL GROWTH OF GALLIUM ARSENIDE AND SILICON CARBIDE BY TRAVELING SOLVENT METHOD
AFCRL-63-314 N63-20412 20-25

PHOTOVOLTAIC EFFECT IN CELLS CONSTRUCTED ON SEMICONDUCTOR SURFACES
AFCRL-63-815 N63-20719 21-25

U

UNION CARBIDE CONSUMER PRODUCTS CO., CLEVELAND, OHIO.
RADIOCHEMICAL REGENERATION OF FUEL CELL REACTANTS IN CLOSED CYCLE ELECTROCHEMICAL CELLS N63-14136 09-06

UNION CARBIDE CORP., PARMA, OHIO.
THERMAL REACTIVITY OF AROMATIC HYDROCARBONS
WADD-TR-61-72, VOL. X N63-10557 01-19

PHYSICAL AND CHEMICAL PRINCIPLES AFFECTING REFRACTORY MATERIALS FOR ROCKET NOZZLES N63-11417 03-18

STUDY OF SINGLE-CRYSTAL MAGNESIUM OXIDE AT ELEVATED TEMPERATURES - STRUCTURAL CHANGE
C-13 N63-13976 09-2

THERMOCONDUCTIVITY AND ELECTRICAL RESISTIVITY OF ZT-TYPE GRAPHITE AT HIGH TEMPERATURES
C-16 N63-15794 13-2

KRYPTON-ARGON GAS-FILLED THERMIONIC CONVERTERS USED AS NUCLEAR RADIATION GENERATORS N63-20366 20-0

KRYPTON & XENON GAS FILLED THERMIONIC CONVERTERS USING NUCLEAR RADIATION N63-23565 24-2

UNION CARBIDE EUROPA S. A., GENEVA, /SWITZERLAND/.
EFFECT OF SILANE COUPLING AGENTS ON GLASS REINFORCED PLASTICS N63-12923 07-1

UNION CARBIDE NUCLEAR CO., OAK RIDGE, TENN.
DOSIMETRY BADGE ORIENTATION EXPERIMENT N63-10290 01-1

LAMINAR-TURBULENT TRANSITION IN FLUID FLOW
K-1531 N63-10357 01-1

CATALYTIC GAS PLATING WITH NICKEL CARBONYL
K-1533 N63-10585 02-0

CONSTRUCTION OF ORIENTED FLOW CYLINDERS - VORTEX GENERATION
K-1549 N63-11174 03-2

AXIAL FLOW IN LONG COUNTERCURRENT GAS CENTRIFUGE EQUATIONS OF MOTION AND ENERGY
K-1535 N63-12103 05-1

AUTOMATIC MASS SPECTROMETER FOR MONITORING URANIU ISOTOPE CONCENTRATIONS
K-1445 N63-12172 05-1

SALT BATH HEAT TRANSFER RATES FOR URANIUM PLATE - ANNEALING PROCESS TEMPERATURE DISTRIBUTIONS
Y-1410 N63-12496 06-1

SHORT-ARC WELDING OF HASTELLOY-N
Y-1409 N63-12636 06-1

GRAPHICAL CHART FOR THE CRITICAL-PATH METHOD
K-1534 N63-13276 07-0

INSPECTION OF BERYLLIUM CHIPS BY NONFILM RADIATIO IMAGING - X-RAY FLUOROSCOPY
Y-1403 N63-14286 10-1

MAGNET POWER SUPPLY AND CONTROL SYSTEM FOR MASS SPECTROMETRY
Y-1414 N63-14792 11-1

PLUG-IN-TYPE SURFACE IONIZATION SOURCE FOR MASS SPECTROMETER WITH VACUUM EQUIPMENT
Y-1415 N63-14793 11-2

CUBIC POLYNOMIAL METHOD OF CURVE FITTING
Y-1400 N63-14977 11-2

DESIGN AND PERFORMANCE OF LEVITATION MELTING COIL WITH EMPHASIS ON HEAT EFFECT
Y-1413 N63-15517 12-1

AUTOMATIC MASS SPECTROMETER FOR RELATIVE MEASUREMENT OF URANIUM ISOTOPE
K-1444 N63-16453 14-1

VARIABLE KEY WEIGHT CASCADE FOR MULTICOMPONENT ISOTOPE SEPARATION - RADIO CHEMISTRY
K-1571 N63-18301 17-0

ELECTRO-PNEUMATIC CONSTANT VOLUME MANOMETER
K-1577 N63-19774 19-1

COMPUTER METHODS AND PROGRAMS FOR APT SYSTEM SOLUTIONS FOR CENTROIDS & INERTIAS OF PLANE SURFACES & SOLIDS OF REVOLUTION
Y-1420 N63-19895 19-2

NUCLEAR SAFETY PROBLEMS AND LIMITS REQUIRED BY NUCLEAR REACTOR FISSION
Y-1272 N63-19986 19-0

STRESS CORROSION CRACKING OF URANIUM-MOLYBDENUM ALLOYS UNDER TENSION IN ATMOSPHERE
Y-1417 N63-20432 20-18

COMPARISON OF COST OF RIGID STEEL FRAMES FOR FLAT AND GABLED ROOF BUILDINGS
Y-1418 N63-21898 22-34

CODE FOR COMPUTING TRANSIENT OR STEADY STATE TEMPERATURE DISTRIBUTIONS - IBM 7090 COMPUTER PROGRAM
K-1494 N63-23342 24-13

UNION CARBIDE RESEARCH INST., TARRYTOWN, N.Y.
PHYSICAL AND CHEMICAL PRINCIPLES AFFECTING HIGH TEMPERATURE MATERIALS FOR ROCKET NOZZLES - OXIDATION, CORROSION, THERMAL EXPANSION
N63-14376 10-07

SENSITIVE ALTERNATING CURRENT POTENTIOMETER FOR GALVANOMAGNETIC MEASUREMENTS
C-15 N63-16182 13-15

X-RAY DIFFRACTION FURNACE FOR QUANTITATIVE X-RAY INTENSITY MEASUREMENTS
C-14 N63-16874 14-15

HIGH-TEMPERATURE PHYSICAL AND CHEMICAL BEHAVIOR OF REFRACTORY CARBIDES AND BORIDES FOR ROCKET NOZZLES
N63-19603 19-23

THERMAL EXPANSION AND ATOMIC VIBRATION AMPLITUDES FOR TITANIUM CARBIDE, TITANIUM NITRIDE, ZIRCONIUM CARBIDE, ZIRCONIUM NITRIDE, AND PURE TUNGSTEN
C-17 N63-19922 19-18

THEORY OF MASS TRANSPORT APPLIED TO KINETICS OF SURFACE REACTIONS & GASEOUS DIFFUSION IN DESIGNING ROCKET NOZZLES N63-22652 23-02

GENERAL AND COMPARATIVE BIOLOGY OF TERRESTRIAL ORGANISMS UNDER EXPERIMENTAL STRESS CONDITIONS
NASA-CR-52082 N63-23616 24-16

UNITED AIR LINES, INC., CHICAGO, ILL.
PITOT/STATIC TUBE ALTIMETER SYSTEMS FOR TRANSPORT AIRCRAFT
F-823-B N63-18671 17-04

FLUSH STATIC PORT MAINTENANCE - AIRCRAFT INSTRUMENT
F-829B N63-22866 23-10

UNITED AIRCRAFT CORP., EAST HARTFORD, CONN.
ECONOMIC FEASIBILITY OF BOOST-GLIDE TRANSPORTS
A-110052-5 N63-10479 01-04

COLLISION CROSS SECTIONS OF IONS AND ELECTRONS IN CESIUM VAPOR
A-920057-1 N63-12035 05-24

AERODYNAMIC CHARACTERISTICS OF TWO-DIMENSIONAL, COMPRESSIBLE JETS - COMPARISON OF FREE JETS AND ATTACHED JETS
A-1771-16 N63-13060 07-02

TWO-DIMENSIONAL COMPRESSIBLE ATTACHED JETS - FLUID AMPLIFICATION N63-13395 08-11

TWO-DIMENSIONAL COMPRESSIBLE SUBMERGED JETS - FLUID AMPLIFICATION N63-13398 08-11

COLLISION POSSIBILITIES OF ELECTRONS AND CESIUM IONS IN CESIUM VAPORS
A-920057-3 N63-13602 08-23

OSCILLATING ELECTRON PLASMA SOURCE - POTENTIAL GRADIENTS
ARL-62-471 N63-13963 09-24

REGENERATIVE HYDROGEN PEROXIDE FUEL CELLS USING SOLAR CELLS FOR BOTH PRIMARY AND REGENERATIVE POWER N63-14137 09-06

TEMPERATURE AND DENSITY OF HYPERSONIC FLOW BY SPECTROSCOPIC ANALYSIS N63-15344 12-11

ELECTRON AND ION COLLISION IN CESIUM VAPOR
NASA-CR-50049 N63-16722 14-11

COLLISION PROBABILITIES OF ELECTRONS AND CESIUM IONS IN CESIUM VAPOR
NASA-CR-50301 N63-18394 17-24

NUCLEAR ELECTRIC, SOLID CORE AND GASEOUS CORE NUCLEAR ROCKET SPACE PROPULSION
B-110053-3 N63-19040 18-27

FRACTURE MECHANICS OF EUTECTIC ALLOYS - ELASTIC STRENGTH OF ALUMINUM, CHROMIUM, COPPER, & NICKEL ALLOYS
B-910068-1 N63-20124 20-18

UNIDIRECTIONALLY SOLIDIFIED EUTECTIC ALLOYS OF COPPER, CHROMIUM, ALUMINUM & NICKEL - TENSILE STRENGTH AND ELASTIC MODULUS
B-910068-3 N63-21181 21-18

AUTOMATIC STABILITY AND CONTROL SYSTEMS FOR TILTING DUCTED PROPELLER VTOL TRANSPORTS
R-1624-5 N63-22245 23-03

UNITED AIRCRAFT CORP., FARMINGTON, CONN.
PERTURBATIONS & TRAJECTORY OF SATELLITE SUBJECT TO GRAVITY OF ONE CELESTIAL BODY BY ACCELERATION HODOGRAPH METHOD
NASA-CR-19 N63-21897 22-29

BASIC ORBITAL EQUATION FORMULATION FOR THREE-DIMENSIONAL TRANSFER PROBLEM IN TERMS OF HODOGRAPH PARAMETERS
AIAA PAPER 63-411 N63-21996 22-32

UNITED AIRCRAFT CORP., NORWALK, CONN.
FEEDBACK SERVOAMPLIFIER - MICROELECTRONICS
N63-17371 15-09

UNITED AIRCRAFT CORP., WINDSOR LOCKS, CONN.
RELIABILITY OF STATIC CONVERTER USING SILICON CONTROLLED RECTIFIERS AND PULSEWIDTH CONTROL
N63-14168 09-06

ELECTRON BEAM WELDING OF AEROSPACE METALS
ASD-TDR-63-132 N63-16322 13-17

FUNCTIONAL ANALYSIS OF ELECTRON BEAM WELDING BY AUTOMATION
HSER-2678 N63-19924 19-09

UNITED ELECTRODYNAMICS, INC., PASADENA, CALIF.
GAUGE DESIGN FOR MEASURING FREE FIELD STRESS, STRAIN, AND ACCELERATION
AFSWC-TDR-63-45 N63-20821 21-33

UNITED NUCLEAR CORP., WHITE PLAINS, N.Y.
CROSS SECTIONS FOR NEUTRON INTERACTIONS WITH OXYGEN AND DEUTERIUM
NDL-TR-40 N63-11681 04-23

DESIGN OF SPACECRAFT SHIELDING OF MINIMUM WEIGHT - PROTONS AND SECONDARY NEUTRONS
N63-15154 11-34

MONTE CARLO SOLUTION OF RADIATION TRANSPORT EQUATION
UNC-5014, VOL. A N63-15543 12-23

NEUTRON CROSS SECTIONS FOR BERYLLIUM
UNC-5014, VOL. B N63-15544 12-25

CONCENTRATION OF OXYGEN IN LIQUID SODIUM - ELECTROCHEMICAL CELL
UNC-5028 N63-17426 15-07

URANIUM CARBIDE AS NUCLEAR FUEL
UNC-5048 N63-17461 15-07

UNITED RESEARCH, INC., CAMBRIDGE, MASS.
ECONOMIC CRITERIA FOR FEDERAL AVIATION AGENCY EXPENDITURES N63-11576 04-01

MECHANISM OF HUMAN LOCALIZATION OF SOUNDS WITH APPLICATIONS IN REMOTE ENVIRONMENTS
NOTS-TP-3109, PT. 2 N63-12495 06-08

UNITED STATES INDUSTRIES, INC., NEW YORK, N.Y.
EVALUATION OF AUTOINSTRUCTIONAL DEVICE USED IN HUMAN TECHNICAL TRAINING
MRL-TDR-62-78 N63-15467 12-14

UNITED STATES INFORMATION AGENCY, WASHINGTON, D.C.
SPACE SCIENCE - VOICE OF AMERICA LECTURES ON INTERNATIONAL COOPERATION N63-23436 24-01

UNITED STATES RUBBER CO, NAUGATUCK, CONN.
SYNTHESIS OF HIGH TEMPERATURE ELASTOMERS OF POLYPHENYLETHER-SILOXANE BLOCK COPOLYMERS WITH REGULATED STRUCTURES N63-16181 13-07

HIGH MOLECULAR WEIGHT COPOLYMERS SYNTHESIZED FROM DIHYDROXYDIPHENYL ETHER AND DICHLOROSILANE MONOMERS N63-20955 21-07

POLYPHENYLETHER-SILOXANE BLOCK COPOLYMERS N63-22844 23-07

UNITED STATES RUBBER CO., WAYNE, N.J.
FILAMENT WINDING FOR INFLATABLE CONSTRUCTION OF ERECTABLE SPACE STATION SECTIONS
NASA-CR-50826 N63-19852 19-17

UNITED TECHNOLOGY CORP., SUNNYVALE, CALIF.
THERMOCHEMISTRY OF OXYGEN-FLUORINE BONDING
UTC-2002-QT7 N63-11690 04-07

THERMOCHEMISTRY OF OXYGEN-FLUORINE BONDING
UTC-2002-FR N63-15440 12-07

EFFECTS OF BURNING AND ACCELERATION ON DRAG COEFFICIENTS OF PARTICLES SUSPENDED IN AND ACCELERATING IN GAS STREAMS N63-18539 17-26

NONDESTRUCTIVE TESTING TECHNIQUES FOR LARGE SOLID PROPELLANT ROCKET ENGINES
UTC-2015-FR N63-20146 20-27

UNIVERSAL-CYCLOPS STEEL CORP., BRIDGEVILLE, PA.
MOLYBDENUM SHEET ROLLING PROGRAM N63-10693 02-17

MOLYBDENUM AND TITANIUM SHEET ROLLING N63-13274 07-18

TUNGSTEN SHEET ROLLING PROGRAM - OCT 1961 TO JAN 1962
ASC-TR-7-827/III/ N63-16964 14-18

TUNGSTEN SHEET ROLLING PROGRAM - JAN 1962 TO APR 1962
ASC-TR-7-827/IV/ N63-16965 14-18

TUNGSTEN SHEET ROLLING PROGRAM - APR 1962 TO SEPT 1962
ASC-TR-7-827/V/ N63-16966 14-18

TUNGSTEN SHEET ROLLING PROGRAM - SEPT 1962 TO JAN 1963
ASC-TR-7-827/VI/ N63-16967 14-18

TUNGSTEN SHEET ROLLING PROGRAM - FEB 1963 TO APR 1963
ASC-TR-7-827/VII/ N63-16968 14-18

MOLYBDENUM SHEET ROLLING PROGRAM N63-17747 16-18

WELDING OF REFRACTORY METALS N63-19496 19-18

STATE-OF-THE-ART OF REFRACTORY METAL WELDING N63-19890 19-17

DESTRUCTIVE TESTING OF TUNGSTEN ALLOY SHEET METAL
ASC-TR-7-827/VIII/ N63-19893 19-17

MOLYBDENUM SHEET ROLLING - INGOT, EXTRUDED STOCK, FORGING TESTS N63-20331 20-18

WELD PARAMETERS - SPEED, AMPERAGE, AND ELECTRODE CONFIGURATION FOR REFRACTORY METAL WELDING N63-23665 24-18

UNIVERSAL MATCH CORP., ST. LOUIS, MO.
GAS GENERATORS FOR AUTOMATICALLY ACTIVATED BATTERIES - NEW PROPELLANTS N63-14158 09-06

UNIVERSITE LIBRE DE BRUXELLES, BRUSSELS /BELGIUM/.
DISSOCIATION ENERGY OF GROUP IV AND GROUP VI MOLECULES - SPECTROSCOPY AND THERMOCHEMISTRY DATA
WADD-TR-60-782, PT. X N63-17940 16-0

UNIVERSITY COLL., CARDIFF /GT. BRIT./
OVERLAPPING INTEGRALS OF BLOCH BAND ELECTRONS
AFCRL-63-892 N63-21670 22-2

UNIVERSITY COLL., GALWAY /IRELAND/.
IMPACT RESISTANCE TEST OF CONCRETE BEAMS USING IMPACT TESTING MACHINE - PLAIN, REINFORCED, AND PRESTRESSED BEAM RESULTS N63-15214 11-2

UNIVERSITY COLL., LONDON /GT. BRIT./
EXPANSION TO AMBIENT PRESSURE OF CHEMICAL EXPLOSIVE RELEASES IN THE UPPER ATMOSPHERE N63-11242 03-1

EFFECTS OF ELECTRON COLLISIONS IN ATMOSPHERIC GASES
AFCRL-62-1077 N63-13710 08-1

MEASUREMENT 10 GC/S MICROWAVE TRANSMISSION - USIN HALL EFFECT IN SEMICONDUCTOR CRYSTALS N63-15111 11-2

UNIVERSITY COLL. OF WALES, ABERYSTWYTH /GT. BRIT./
FORCE CONSTANTS IN BORON TRIHALIDES - PLANAR VIBRATIONS AND POTENTIAL FUNCTIONS
AFCRL-63-857 N63-22385 23-1

INFRARED DISPERSION OF DICHLOROMETHANE, DIBROMOMETHANE, AND DIIODOMETHANE
AFCRL-63-858 N63-22386 23-0

VIBRATION FREQUENCIES IN METHYLENE AND ELECTRONEGATIVITIES OF SOME RADICALS
AFCRL-63-859 N63-22387 23-1

UNIVERSITY OF SOUTHERN CALIF., LOS ANGELES.
EXTERNAL FIELD PRODUCED BY AN ARBITRARY SLOT ON A DIELECTRIC COATED ELLIPTICAL CYLINDER
USCEC-82-206 N63-13992 09-2

KINETIC THEORY OF WAVES IN WARM PLASMA EXCITED BY CURRENT SOURCE - ANTENNA RADIATION PATTERNS
AFCRL-62-970 N63-16478 14-2

METEORS - AURORAL EMISSION - SPECTRAL LINE N63-16647 14-1

PHASE SHIFTS AND JOST FUNCTIONS IN S AND P WAVES OF K-PLANE - SOLID STATE PHYSICS
ARL-63-76 N63-17811 16-2

ENERGY TRANSFER PROCESSES AND CHEMICAL KINETICS A HIGH TEMPERATURES - RATES OF RECOMBINATION OF ATOMS IN GASES N63-18572 17-0

DECAY OF NITROGEN PLASMAS IN HYPERSONIC FLOW USIN LOW-DENSITY NOZZLE
USCEC-81-101 N63-20764 21-2

VACUUM ULTRAVIOLET RADIATION AS PROBE OF RARE GAS PLASMAS
AROD-2267-7 N63-21009 21-2

GAS DYNAMICS - GENERALIZED VALIDITY OF BOLTZMANN EQUATION FOR IONIZED GASES N63-21561 22-2

RAREFIED GAS DYNAMICS - SURFACE PRESSURE & PITOT PRESSURE DISTRIBUTION IN NEIGHBORHOOD OF LEADING EDGE OF THIN FLAT PLATE N63-21606 22-1

ISOTOPE SHIFT AND HYPERFINE STRUCTURE IN ATOMIC SPECTRAL LINE N63-21709 22-2

PHOTOIONIZATION AND PHOTOIONIZATION-INDUCED ION-ATOM REACTIONS
AFCRL-63-877 N63-22812 23-2

WINDBORNE SAND AND DUST DURING STORMS IN DESERT AREA
ES-8 N63-23688 24-1

UNIVERSITY OF SOUTHERN CALIF. ENGINEERING CENTER, LOS ANGELES.
EXCITATION OF WAVES IN WARM PLASMA BY ELECTRIC DIPOLE
USCEC-82-205 N63-13853 09-2

EQUATIONS FOR GAS FLOW IN LOW DENSITY NOZZLE
USCEC-R-78-101 N63-13923 09-20

CRYOPUMP OPERATIONAL CHARACTERISTICS IN LOW DENSITY WIND TUNNEL
USCEC-93-201 N63-14295 10-17

RESEARCH SUMMARY ON GASDYNAMICS AND PLASMADYNAMICS
USCEC-83-101 N63-14379 10-11

FLOW FIELD REVIEW AND HYPERSONIC RAREFIED FLOW AT LEADING EDGES N63-14380 10-11

HYPERSONIC LOW REYNOLDS NUMBER WAKES - SMALL SPHERE MEASUREMENTS N63-14381 10-11

NOZZLE FLOW AT LOW REYNOLDS NUMBERS - MEASUREMENT AND CALIBRATION N63-14382 10-02

NOZZLE ORIFICE FLOW AT LOW REYNOLDS NUMBERS N63-14383 10-02

VACUUM GAUGE CALIBRATION SYSTEM N63-14384 10-15

VISCOUS COMPRESSIBLE AND INCOMPRESSIBLE FLOW IN SLENDER CHANNELS N63-14385 10-11

FREE MOLECULAR FLOW FIELD ABOUT FLAT PLATE N63-14386 10-11

SHOCK WAVE STRUCTURE - SHOCK PROFILE STUDY USING GRAD EQUATION N63-14387 10-11

KINETIC EQUATIONS OF PLASMA DYNAMICS - DYNAMIC STATE FACTORS N63-14388 10-24

INTERACTION OF ELECTROMAGNETIC WAVES AND PARTIALLY IONIZED GAS IN EXTERNAL MAGNETIC FIELD N63-14389 10-24

BLAST WAVES IN ELECTROGASDYNAMICS - POISSON EQUATION N63-14390 10-24

POISSON AND FREE MOLECULE FLUX EQUATIONS RELATE CURRENT IN PROBE TO CHARGED PARTICLE DENSITY IN PLASMA FLOW N63-14391 10-24

MICROWAVE PROPAGATION IN FLOWING PLASMA IN PRESENCE OF MAGNETIC FIELD N63-14392 10-24

ELECTROGASDYNAMIC BLAST WAVE THEORY APPLIED TO FLOW OVER BLUNT BODY IN SUPERSONIC PARTIALLY IONIZED FLOW N63-14393 10-11

LOW-DENSITY FLUID DYNAMICS PRESSURE MEASUREMENT - APPARATUS REVIEW N63-14394 10-24

ELASTIC SCATTERING OF NEUTRAL MASS-POINT PARTICLES BY DIELECTRIC CRYSTAL - CONSIDERATION OF VAN DER WAALS FORCES AND PERTURBATION POTENTIAL N63-14395 10-23

CRYOPUMP IMPROVEMENTS FOR LOW-DENSITY WIND TUNNELS N63-14396 10-23

USE OF COMPUTERS FOR DYNAMIC SYSTEM IDENTIFICATION AND EFFECT OF OPTICAL DEVICES ON COHERENCE OF OPTICAL SIGNALS
USCEC-97-101 N63-17065 15-20

SCATTERING OF OBLIQUELY INCIDENT PLANE LIGHT WAVES BY ELLIPTICAL DIELECTRIC CYLINDERS
USCEC-82-211 N63-18910 18-23

CHEMICAL NONEQUILIBRIUM EFFECTS IN VISCOUS SHOCK LAYERS - HYPERSONIC FLOW
USCEC-76-101 N63-19168 18-11

RAREFIED GAS DYNAMICS - TECHNIQUES FOR LOCAL CHARGED PARTICLE DENSITY AND TEMPERATURE MEASUREMENT IN FLOWING PLASMA STREAMS N63-21591 22-24

PLASMA AND MAGNETOHYDRODYNAMICS - ELECTROMAGNETIC RADIATION FROM DIPOLE IN ANISOTROPIC PLASMA, THERMAL RADIATION FROM FULLY IONIZED PLASMA
USCEC-96-101 N63-23063 24-24

RADIO-FREQUENCY POWER GENERATOR DESIGNED FOR HEATING SUPERSONIC GAS FLOWS
USCEC-65-54 N63-23100 24-09

SUPERSONIC INLET AREA VARIATION BY AIR INJECTION INTO MAIN DUCT FLOW
USCEC-65-55 N63-23101 24-02

WING-TAIL INTERFERENCE AT SUPERSONIC SPEEDS
USCEC-65-56 N63-23102 24-02

OPERATIONAL FEASIBILITY OF HYPERSONIC BLOWDOWN WIND TUNNELS USING TWO-PHASE GAS SUPPLY
USCEC-65-57 N63-23103 24-10

UNIVERSITY OF SOUTHERN CALIF., POINT MUGU.
SUPERSONIC WIND TUNNEL TESTS ON EXPERIMENTAL STATIC PRESSURE PROBES
USCEC-65-50 N63-10763 02-02

EFFECTS OF BOUNDARY LAYER BLEED ON SHOCK WAVE-BOUNDARY LAYER INTERACTION
USCEC-65-35 N63-13521 08-11

UPPSALA U. /SWEDEN/.
STANDARD ERRORS OF COSMIC RAY DATA CORRECTED FOR ATMOSPHERIC EFFECTS
AFCRL-62-651 N63-10104 01-28

GEOPHYSICAL ASPECTS OF COSMIC RAYS - DIRECTION OF ANISOTROPY - TELESCOPES
AFCRL-62-652 N63-10105 01-28

GEOMAGNETIC STORMS, COSMIC RAYS, AND FORBUSH DECREASES
AFCRL-62-674 N63-10106 01-28

COSMIC RAY INTENSITY VARIATIONS DURING 1961
AFCRL-62-675 N63-10107 01-28

LOCALIZED PERTURBATION TECHNIQUE - APPLICATION TO ENERGY LEVEL AND EIGENFUNCTION CALCULATION FOR PERTURBED, CONJUGATED SYSTEMS - ITERATIVE APPROACH N63-13131 07-07

ENERGY BAND STRUCTURE OF POLYNUCLEOTIDES IN HUECKEL APPROXIMATION N63-13132 07-07

EXCITATION ENERGIES AND OSCILLATOR STRENGTHS OF THE PI-ELECTRON SYSTEM OF URACIL - SPECTRA CALCULATION OF HETEROCYCLIC MOLECULES N63-13133 07-07

ALTERNANT MOLECULAR ORBITAL METHOD APPLICABLE TO STATES WITH DIFFERENT MULTIPLICITIES N63-13134 07-23

MAGNETIC FIELD VARIATIONS AND VLF ELECTROMAGNETIC WAVE PROPAGATION AS INFLUENCED BY LIGHTNING DISCHARGES
AFCRL-62-786 N63-14094 09-23

DIRECTIONAL CORRELATION ATTENUATION COEFFICIENT FOR MAGNETIC DIPOLE & ELECTRIC QUADRUPOLE INTERACTIONS - PART 1, INTERMEDIATE NUCLEAR STATE SPIN
TID-17089/PT. I/ N63-14237 10-23

DIRECTIONAL CORRELATION ATTENUATION COEFFICIENT FOR MAGNETIC DIPOLE & ELECTRIC QUADRAPOLE INTERACTIONS - PART 2, INTERMEDIATE NUCLEAR STATE SPIN
TID-17089/PT. II/ N63-14285 10-23

LOCALIZED PERTURBATION ANALYSIS FOR CONJUGATED SYSTEMS BY USING HUCKEL THEORY WITH INVERSE OF CYCLIC MATRICES
ARL-63-27 N63-15310 12-23

INFLUENCE OF FERMION STATISTICS ON DENSITY MATRICES - MANY-PARTICLE PROBLEM OF QUANTUM MECHANICS
TN-80 N63-15461 12-23

ERROR ANALYSIS FOR ELECTRON DENSITY, SPIN DENSITY, AND ATOMIC FORM FACTORS IN QUANTUM MECHANICAL CALCULATIONS N63-15848 13-23

ELECTRON DELOCALIZATION & BIOCHEMICAL EVOLUTION - ROLE OF RESONANCE AND SEMICONDUCTIVITY IN BIOCHEMICAL STRUCTURES N63-15849 13-16

ELECTRONIC STRUCTURE OF AMMONIA MOLECULE USING BOND-ORBITAL AND MODIFIED ELECTRON-PAIR FUNCTIONS
N63-15850 13-23

CALCULATION OF SOME ATOMIC INTEGRALS CONTAINING WAVE FUNCTIONS DEPENDENT UPON INTERELECTRONIC DISTANCES - THREE ELECTRON ATOM - QUANTUM THEORY
TN-91 N63-16555 14-23

ELECTRONIC STRUCTURE - HARTREE-FOCK APPROXIMATION HERMITIAN POTENTIAL
TN-76 N63-17731 16-23

ALTERNANT MOLECULAR ORBITAL APPROXIMATION - CORRELATION EFFECTS
ARL-63-128 N63-17963 16-23

SPIN COMPONENT ANALYSIS OF SINGLE SLATER DETERMINANT WAVE FUNCTIONS
ARL-63-129 N63-17964 16-23

MOLECULAR ORBITAL CALCULATIONS AND ELECTRONIC STRUCTURE OF IRON-PORPHYRIN COMPOUNDS
ARL-63-130 N63-17965 16-23

MOLECULAR INTEGRAL - ANALYSIS AND DESCRIPTION
ARL-63-148 N63-19301 18-23

EXCITED STATES AND ELECTRON ORBITS OF ATOMS BY PERTURBATION THEORY
ARL-63-149 N63-19336 18-23

COSMIC RAY INTENSITY - DIURNAL AND SEMIDIURNAL VARIATION DURING 1962
AFCRL-63-681 N63-19708 19-28

QUANTUM CHEMISTRY AND SOLID STATE PHYSICS
ARL-63-96 N63-20634 20-23

COSMIC RAY INCREASE BETWEEN MAGNETIC STORMS - INDEX OF SOLAR ACTIVITY
AFCRL-63-855 N63-20925 21-28

FIRST ORDER DENSITY MATRIX FOR PROJECTED SINGLE DETERMINANT N63-22399 23-23

NATURAL SPIN ORBITALS OF ATOMS
N63-22741 23-23

NILPOTENT OPERATORS, JORDAN CANONICAL FORM, SEGRE CHARACTERISTICS, AND MINIMAL POLYNOMIALS
N63-22742 23-20

QUANTUM MECHANICAL CALCULATION CONSTANTS AND CONVERSION FACTORS N63-22743 23-23

INVERSION OF OVERLAP MATRIX IN LIMITED CONFIGURATION ATOMIC ORBITAL CALCULATIONS OF CRYSTALS
ARL-63-186 N63-22744 23-20

ATMOSPHERIC WHISTLERS - RECORDING AND WORKING METHODS
AFCRL-63-714 N63-23093 24-12

UTAH RESEARCH AND DEVELOPMENT CO., SALT LAKE CITY.
TERMINAL BALLISTICS - IMPACT AND EFFECT OF ULTRAHIGH SPEED MICRON-SIZE PARTICLES
APGC-TDR-62-69 N63-11028 03-23

UTAH STATE U., LOGAN.
FLUSH MOUNTING LOG PERIODIC ANTENNAS OVER CAVITIES ON CONDUCTING SURFACES - INPUT IMPEDANCE AND RADIATION CHARACTERISTICS N63-13590 08-08

EFFECT OF CAVITY ON IMPEDANCE AND RADIATION PROPERTIES OF LOG PERIODIC ANTENNA-CAVITY ASSEMBLY
N63-13591 08-08

IMPEDANCE AND RADIATION FIELD OF MONOPOLE ANTENNA IN DIELECTRIC CAVITY
NASA-CR-51097 N63-21046 21-09

UTAH U., SALT LAKE CITY.
TAYLOR EXPANSIONS OF THE HYDRODYNAMIC EQUATIONS
N63-10566 01-11

ABSOLUTE LUMINOSITY, SIZE, AND VELOCITY OF LABORATORY MICROMETEORS FROM HYPERVELOCITY IMPACT OF ARTIFICIAL METEOR
BSD-TDR-62-270 N63-14304 10-28

ELECTRON BEAM AND SOLID STATE DEVICES - PLASMA WAVES AND PLASMA GENERATION
MDL-Q3 N63-15029 11-09

OSCILLATORY BURNING IN SIDE-RENTED CYLINDRICAL CHAMBER FOR STUDYING BURNING OF END-BURNING PROPELLANT GRAINS - COMBUSTION INSTABILITY
N63-15593 12-24

FRACTURE MECHANICS OF GERMANIUM
ASD-TDR-62-1029 N63-15713 12-33

TRAJECTORY ANALYSIS OF ELECTRON BEAM WITH MAGNETIC AND ELECTRONIC CONTROLLED COMPRESSION
NSF-3 N63-17494 16-09

SPACE CHARGE WAVES IN PLASMA - HEAT BALANCE AND ENERGY LEVEL
NSF-TR-4 N63-17635 16-24

INTERACTION BETWEEN SOLID AND GAS PHASES DURING OSCILLATORY BURNING OF SOLID PROPELLANTS - COMBUSTION INSTABILITY N63-18534 17-26

EXTENSION AND DEVICE IMPROVEMENT IN MICROWAVE SPECTRUM BY ANALYSIS OF ELECTRON BEAM DEVICES, SOLID STATE DEVICES, AND PLASMAS
MDL-Q4 N63-18701 17-09

MULTIPLE COUPLED LADDER FOR BACKWARD WAVE OSCILLATORS AT MILLIMETER WAVELENGTHS - MICROWAVE SPECTRUM N63-18702 17-09

SMOOTH SLOW WAVE CIRCUITS FOR MILLIMETER WAVELENGTHS - DIELECTRIC CIRCUITS - MICROWAVE SPECTRUM STUDY N63-18703 17-09

HIGH-FREQUENCY AMPLIFIER - INTERACTION OF SPIRALING ELECTRON BEAM & UNLOADED WAVEGUIDE FIELDS - MICROWAVE SPECTRUM N63-18704 17-09

FAST CYCLOTRON AND NEGATIVE ENERGY SYNCHRONOUS WAVE COUPLING IN AXIALLY SYMMETRIC ELECTROSTATIC FIELD - MICROWAVE SPECTRUM STUDY
N63-18705 17-09

INTERACTION BETWEEN MULTIPLE ELECTRON BEAMS IN MILLIMETER WAVE AMPLIFIERS AND OSCILLATORS - MICROWAVE SPECTRUM N63-18706 17-09

MAGNETO-ELECTRIC BEAM COMPRESSION TO OBTAIN HIGH CURRENT DENSITY ELECTRON BEAM - MICROWAVE SPECTRUM STUDY N63-18707 17-09

SPACE CHARGE EFFECTS IN CYCLOTRON WAVE DEVICES - DC PUMPED PARAMETRIC AMPLIFIERS - MICROWAVE SPECTRUM STUDY N63-18708 17-23

PUMP ENERGY REDUCTION REQUIRED FOR SOLID STATE RUBY LASER BY GAMMA RAY DAMAGE AND HIGH STATIC PRESSURE APPLICATION - MICROWAVE SPECTRUM
N63-18709 17-25

QUANTUM MECHANIC TUNNELING THROUGH THIN BARRIERS - SOLID STATE STUDY - MICROWAVE SPECTRUM STUDY N63-18710 17-25

SOLID STATE MASER MATERIALS FOR USE AT MILLIMETER WAVELENGTHS - MICROWAVE SPECTRUM STUDY
N63-18711 17-25

PLASMA WAVE PROPAGATION IN WAVEGUIDES AND WAVE INTERACTION WITH ELECTRON BEAMS FOR MILLIMETER WAVE SIGNAL GENERATORS N63-18712 17-24

PLASMA GENERATION AND MEASUREMENTS - LANGMUIR PROBES AND MICROWAVE RESONANT CAVITY FOR MERCURY ARC DISCHARGE - MICROWAVE SPECTRUM
N63-18713 17-24

MICROWAVE PLASMA MEASUREMENTS FOR VERIFICATION OF WAVE THEORY AND MEASURING PLASMA PARAMETERS - MICROWAVE SPECTRUM STUDY N63-18714 17-24

ELECTRON CONCENTRATION MEASUREMENT TECHNIQUES IN EXHAUST OF SOLID FUEL ROCKET ENGINE WITH MICROWAVE

RADIATION - MICROWAVE SPECTRUM STUDY
N63-18715 17-24

THERMIONICALLY EMITTING PARTICLES IN ROCKET EXHAUSTS - MICROWAVE SPECTRUM STUDY
N63-18716 17-24

INTRAPERITONEAL CHALLENGE OF ADULT ALBINO MICE WITH TYPE B-1 COXSACKIE VIRUS UNDER CONDITIONS OF ACCLIMATIZATION AND NONACCLIMATIZATION AT 2-DEG C
AAL-TDR-62-56 N63-19238 18-16

COLD AMBIENT TEMPERATURE EFFECT UPON ADRENAL GLANDS IN MICE
AAL-TDR-62-58 N63-22714 23-16

V

VALUE ENGINEERING CO., ALEXANDRIA, VA.
ELECTRODEPOSITION OF CHROMIUM CERMETS FOR COATING OF SOLID PROPELLANT ROCKET NOZZLES
N63-15493 12-17

VANDERBILT U., NASHVILLE, TENN.
SPACECRAFT GUIDANCE - MULTISTAGE ROCKET TRAJECTORIES N63-16802 14-29

VARIAN ASSOCIATES, PALO ALTO, CALIF.
ROCKETBORNE MAGNETOMETER
AFSWC-TDR-62-25 N63-11315 03-15

FOUR-CELL ROCKETBORNE MAGNETOMETER
SWC-TDR-62-101 N63-16776 14-06

HIGH POWER RADIO FREQUENCY WAVEGUIDE WINDOWS
RADC-TDR-63-194 N63-17419 15-09

HIGH POWER RADIO FREQUENCY WINDOW STUDY USING COMPUTER TO SOLVE WAVEGUIDE PROBLEMS
RADC-TDR-63-349 N63-21262 21-09

VERMONT U., BURLINGTON.
USE OF IONIZATION GAUGE AS THERMOCONDUCTIVITY GAUGE N63-14443 10-15

STRENGTH DEGRADATION OF FILAMENT WOUND PRESSURE VESSELS SUBJECTED TO HISTORY OF LOADING
N63-15679 12-33

WORK FUNCTION CHANGES OF METALS AND SEMICONDUCTORS PRODUCED BY CHEMISORPTION ON SURFACES WITH DIFFERENT TYPES OF ADSORPTION SITES
NASA-CR-50027 N63-16721 14-23

RADIOACTIVE TRACER AND WORK FUNCTION OF CHEMISORPTION OF GAS ON METAL
N63-18408 17-23

VICKERS-ARMSTRONGS AIRCRAFT, LTD., SOUTH MARSTON /GT. BRIT./
CONSIDERATION OF ATMOSPHERIC TURBULENCE IN DESIGN OF CIVILIAN AIRCRAFT N63-16820 14-34

VICKERS, INC., DETROIT, MICH.
RELIABILITY OF HYDRAULIC CONTROL SYSTEMS OF SPACE VEHICLES N63-17297 15-06

ENERGY-STORAGE HYDRAULIC SYSTEMS FOR VIBRATION SIMULATION
NASA-CR-51737 N63-23044 24-06

VICKERS NUCLEAR ENGINEERING, LONDON /GT. BRIT./.
NUCLEAR PROPULSION SYSTEMS FOR MERCHANT SHIPS
N63-18929 18-27

VICTORIA U., WELLINGTON /N. ZEALAND/.
LIFE IN THE SOLAR SYSTEM - PRESENT EVIDENCE
N63-10771 02-29

VIDYA, INC., PALO ALTO, CALIF.
HYPERSONIC FLOW SEPARATION AND ITS EFFECT ON AERODYNAMIC CONTROL N63-12313 05-11

TECHNIQUES FOR SOLVING ANTENNA BREAKDOWN EQUATIONS IN PRESENCE OF GASEOUS FLOW - ANTENNA ELECTRIC FIELD AND HYPERSONIC AERODYNAMIC FLOW FIELD
N63-14637 10-11

THEORETICAL INVESTIGATION OF DYNAMIC STABILITY DERIVATIVES OF DUCTED PROPELLERS
N63-16130 13-03

BEHAVIOR OF MATERIALS EXPOSED TO SOLID PROPELLANT ROCKET ENGINE EXHAUST - NOZZLE DESIGN
RTD-TDR-63-1038 N63-22733 23-27

THERMODYNAMIC AND TRANSPORT PROPERTIES OF COMMON GASES - HIGH TEMPERATURE, HIGH VELOCITY GAS STREAM
N63-23482 24-24

DRESSED PARTICLE MODEL FOR COMPUTING LONG & SHORT RANGE PARTICLE COLLISION EFFECTS FOR TRANSPORT PROPERTIES IN PLASMA
VIDYA-101 N63-23589 24-24

VIRGINIA AGRICULTURAL EXPERIMENT STATION, BLACKSBURG.
ORDER STATISTICS AND DESIGN OF EXPERIMENTS - TESTING
AROD-2763-12 N63-10156 01-20

VIRGINIA POLYTECHNIC INST., BLACKSBURG.
PHYSICS OF THE SOLAR SYSTEM N63-10220 01-05

REENTRY DYNAMICS - SPACECRAFT, ATMOSPHERE, THERMAL PROTECTION, TRANSPORT PROPERTIES
N63-10230 01-01

EFFECT OF NITROGEN ON STRAIN BEHAVIOR OF AISI 304 STAINLESS STEEL UNDER LOW STRESSES AND TEMPERATURE RANGE 80 TO 170-DEG C N63-13279 07-18

TECHNIQUE FOR DIGITALLY GENERATING RANDOM TIME HISTORIES HAVING ARBITRARILY SHAPED POWER SPECTRA
N63-16730 14-20

TORQUE AND ANGULAR VELOCITY INDUCED BY GEOMAGNETIC FIELD ON A SPINNING CONDUCTING SATELLITE
N63-16741 14-29

EXPLORATION OF LUNAR SURFACE - REQUIREMENTS FOR SOFT-LANDING VEHICLE OF RANGER PROJECT
N63-21346 21-29

LUNAR EXPLORATION CONFERENCE - RADAR ECHO, RADAR DATA INTERPRETATION, PHOTOGRAPHIC PHOTOMETRY, LUNAR VOLCANICS, & MANNED EXPLORATION
N63-21362 22-29

PHYSICAL CHARACTERISTICS OF THE MOON
N63-21615 22-29

VIRGINIA U., CHARLOTTESVILLE.
STATE-OF-THE-ART LITERATURE SURVEY FOR PRODUCTION OF MOLECULAR BEAMS IN ENERGY RANGE OF 1 EV TO 1000 EV
SP-620-101-62U N63-12671 06-23

NONSTEADY AND NONEQUILIBRIUM TWO-PHASE FLOW PROBLEM - GAS CARRIER AND SMALL PARTICLES - SQUID PROJECT N63-15350 12-01

COMPARISON OF THEORETICAL AND EXPERIMENTAL STAGNATION POINT HEAT TRANSFER IN HIGH-TEMPERATURE SUBSONIC STREAM N63-16225 13-11

MAGNETIC AND ELECTRIC FORCES FOR ROTATING SHAFT SUSPENSION
EMI-4454-111-63U N63-16306 13-17

VISCOSITY OF CARBON DIOXIDE IN REGION OF CRITICAL POINT
BRN-5-P N63-16408 14-11

FACTORS PRODUCING FRICTIONAL DRAG AND DECELERATION OF MAGNETICALLY SUSPENDED ROTORS AND DEVICE ACHIEVING CONSTANT SPEED ROTATION
AROD-3764-1 N63-17151 15-23

GAS DYNAMICS - CHARACTERISTICS OF AERODYNAMIC MOLECULAR BEAMS N63-21585 22-11

MOMENTUM AND ENERGY EXCHANGE OF RAREFIED GAS AND ROTATING SURFACE - EQUIPMENT AND PROBLEM ANALYSIS
AST-3530-101-63U N63-21649 22-11

PROJECT SQUID FLUID MECHANICS, CHEMICAL KINETICS, TRANSPORT AND TRANSFER PROCESSES, AND COMBUSTION

PHENOMENA RESEARCH N63-23119 24-23

TRANSPORT & STRUCTURAL PROPERTIES OF MATERIALS, PHYSICAL PROCESSES, CHEMICAL KINETICS, COMBUSTION ANALYSES, & PROPULSION SYSTEMS - SQUID PROJECT
UVA-3-R N63-23564 24-27

VITRO ENGINEERING CO., NEW YORK, N.Y.
UNCOOLED DEFLECTORS FOR MISSILE LAUNCHERS - ENERGY CONTENT OF PROPELLANTS - THERMODYNAMIC PROPERTIES OF ROCKET EXHAUSTS
VITRO-2331-1-60 N63-18748 17-27

VITRO LABS., WEST ORANGE, N.J.
EXPOSURE OF EARTH SATELLITES TO ALBEDO AND PLANET RADIATION - SECONDARY RADIATION ENVIRONMENT
AEDC-TDR-63-92 N63-16346 14-28

SOLAR RADIATION SIMULATION STUDIES
AEDC-TDR-63-90 N63-16780 14-28

SOLAR RADIATION SIMULATION - ENVIRONMENTAL CHAMBERS
VL-2244-6-0 N63-16793 14-28

MATRIX ANALYSIS OF COMMUNICATION SYSTEMS - OPTIMIZING DEMODULATION BY ANALOG TECHNIQUE
VL-2262-13-0 N63-17897 16-08

SIMULATION OF EARTHS ALBEDO AND RADIATION ON SATELLITE
VL-2244-19-0 N63-22983 23-29

W

WACLINE, INC. OPTRON LAB., DAYTON, OHIO.
OPERATION AND MAINTENANCE OF A SCHLIEREN SYSTEM FOR USE WITH HYPERSONIC WIND TUNNEL
ARL-62-463 N63-11748 04-15

WALKER /NORMAN K./ ASSOCIATES, INC., BETHESDA, MD.
VERTICAL POSITION OF CENTER OF GRAVITY AND ROLL STABILITY OF ANNULAR JET GROUND EFFECT MACHINE
TCREC-TR-62-101 N63-12994 07-04

WIND TUNNEL TEST ON CIRCULAR ANNULAR JET GROUND EFFECT MACHINE N63-22128 22-04

WIND TUNNEL TESTS ON CIRCULAR MODEL GROUND EFFECT MACHINE - ANALYSIS OF RESULTS ON LIFT, DRAG & PITCHING MOMENT N63-22884 23-04

WALTER REED ARMY INST. OF RESEARCH
WASHINGTON, D.C.
ELECTROPHYSIOLOGICAL CORRELATES OF PROLONGED EXPOSURE TO UNIFORM VISUAL STIMULATION - VISUAL PERCEPTION - BLANKOUT N63-19244 18-14

WARNER AND SWASEY CO., FLUSHING, N.Y.
INFRARED SPECTRA AND TEMPERATURE DISTRIBUTIONS OF ARGON AND NITROGEN PLASMA JETS
ARL-63-35 N63-16512 14-24

TEMPERATURE MEASUREMENT IN GASEOUS DETONATIONS BY MONOCHROMATIC RADIATION PYROMETRY
ARL-63-85 N63-22237 23-11

WARNER & SWASEY CO., NEW YORK, N.Y.
INFRARED RADIATION AND TEMPERATURE MEASUREMENTS IN SOLID PROPELLANT FLAMES - ARCITE-368
TR-800-5 N63-12280 05-26

INFRARED MONOCHROMATIC RADIATION /IMRA/ METHOD USED TO DETERMINE TEMPERATURES IN GAS MIXTURE DETONATIONS - PYROMETER TECHNIQUE
N63-15058 11-15

SPECTROMETRY AND INFRARED MONOCHROMATIC RADIATION MEASUREMENTS OF PLASMA JET TEMPERATURES
N63-23486 24-24

WARSAW U. /POLAND/.
GAS DYNAMICS - CRITERION FOR DEGREE OF DEPARTURE FROM EQUILIBRIUM IN RAREFIED GASES
N63-21562 22-24

WASHINGTON U., SEATTLE.
ANALYSES OF PACIFIC STORMS BASED ON CONTINUOUS RADAR RECORDS AND SHORT-INTERVAL SERIAL ASCENTS - VOL V, JUNE 5 TO 7, 1961
AFCRL-62-469 N63-10212 01-2

BUCKLING OF THIN ELASTIC SHELLS
N63-10815 02-3

HIGH TEMPERATURE DIFFUSION RATES OF LIQUIDS AND GASES
AROD-2380-5 N63-11281 03-1

VALLEY WIND THEORY
AFCRL-62-1082 N63-11437 03-2

SYNOPTIC METEOROLOGY - RADAR COMPOSITES, ECHO CLASSIFICATION SCHEME FOR CYCLONES, PRECIPITATION, CLOUD VISIBILITY, TURBULENCE AND ICING
AFCRL-63-22 N63-13818 09-2

EXISTENCE & PLACEMENT OF HUMAN-COMPUTER INTERFACES IN DIGITAL COMPUTER SOLUTIONS OF MIXED SYSTEM PROBLEMS N63-14305 10-1

HUMIDITY MEASUREMENT AT HIGH ALTITUDES USING GAS CHROMATOGRAPHY PRINCIPLE AND CHROMATOGRAPHIC PACKING AS CAPACITOR DIELECTRIC
AFCRL-63-415 N63-17422 15-1

EFFECT OF TEMPERATURE ON ERYTHROCYTE FORMATION RATE IN RATS
AAL-TDR-62-20 N63-19639 19-1

STRESS STATE SOLUTION FOR THEORY OF PHOTOVISCOELASTICITY BY INTEGRAL OPERATION
N63-23512 24-2

WASHINGTON U., ST. LOUIS, MO.
EFFECTS OF ION ASSOCIATION ON ENERGY TRANSFER RATES IN NAPTHALENE-NAPTHALENIDE SYSTEMS MEASURED BY PARAMAGNETIC RESONANCE LINE BROADENING METHOD
N63-12400 06-0

HIGH SPEED FLOW OF FLUIDS THROUGH POROUS MEDIA - CAPILLARY ORIFICE FLOW MODEL, PLANAR PRESSURE WAVE INTERACTIONS, COMPUTER PROGRAM
AROD-3005-4 N63-13438 08-1

KINETICS OF SYMMETRICAL NUCLEAR FISSION - CHARGE DISTRIBUTION PROBLEM
UCRL-7280 N63-15486 12-2

CUMULATIVE AUDITORY EFFECTS OF MULTIPLE EXPOSURE TO ACOUSTIC STIMULATION - HISTOLOGICAL EFFECTS OF INTENSE SOUND ON INNER EAR
AMRL-TDR-62-99/II/ N63-16409 14-1

COLLISION DAMPING OF PLASMA OSCILLATIONS
N63-16446 14-2

ELECTRONIC AND PLASMA PHYSICS - IONIC COLLISION
AROD-2802-5 N63-19744 19-2

INTERACTION AND ABSORPTION PARAMETERS FOR HEAVY COSMIC RAY NUCLEI IN HYDROGENOUS ABSORBERS - POLYETHYLENE AND TETRAFLUOROETHYLENE
N63-21376 22-2

MOLECULAR APPROACH TO RAREFIED GAS DYNAMICS
N63-21565 22-1

WATERTOWN ARSENAL, MASS.
X-RAY IMAGE OF FERMI SURFACE IN LEAD
MRL-124 N63-10281 01-2

POLAR MODEL OF ORDERING ENERGY IN ALLOYS
MRL-123 N63-10310 01-2

LOCALIZED MAGNETIC MOMENTS IN METALS
MRL-125 N63-11769 04-1

THERMODYNAMICS OF INTERSTITIAL SOLID SOLUTIONS WITH REPULSIVE SOLUTE-SOLUTE INTERACTIONS
MRL-127 N63-11770 04-2

ELECTRON MICROSCOPY IN OBSERVATIONS OF RADIATION DAMAGE
MRL-126 N63-12094 05-2

MAGNETIC AND SPECTROSCOPIC PROPERTIES OF RARE

EARTH IONS BY HARTREE-FOCK CALCULATIONS
MRL-118 N63-14269 10-23

POWDER POROSITY EFFECT ON X-RAY INTENSITY MEASUREMENTS
MRL-114/R/ N63-16256 13-23

MEDIUM LOADING RATE TENSILE TESTING MACHINE - WEAPON MATERIALS TESTING APPLICATIONS - STRUCTURAL DYNAMICS N63-16619 14-17

WATERTOWN ARSENAL LABS., MASS.
NONLINEAR TRANSVERSE AXISYMMETRIC VIBRATIONS OF SHALLOW SPHERICAL SHELLS N63-10853 02-33

STABILITY OF THIN TORISPHERICAL SHELLS UNDER UNIFORM INTERNAL PRESSURE N63-10856 02-33

PRODUCTION OF HIGH-STRENGTH ALUMINUM OXIDE FIBER
WAL-TR-371/50 N63-11230 03-18

IMPACT STRENGTH OF ALUMINA FIBER-CERAMIC COMPOSITES
WAL-TR-371/51 N63-11231 03-18

FORMATION OF ALUMINA WHISKERS
WAL-TR-371/52 N63-11232 03-18

TRANSVERSE RUPTURE STRENGTH OF ALUMINA FIBER-CERAMIC COMPOSITE
WAL-TR-371/53 N63-11233 03-18

CARBON CRYSTALLITE GROWTH KINETICS DURING GRAPHITIZATION
WAL-TR-851.5/1 N63-11434 03-19

RADIAL DEFLECTION COMPONENTS OF THE ROTATIONALLY SYMMETRIC MOTION OF A CYLINDRICAL SHELL
WAL-TR-850/13 N63-11443 03-33

GEOMETRY OF HIDDEN DEFECTS DETERMINED BY ULTRASONIC PULSE ANALYSIS AND SPECTROSCOPY
WAL-TR-830.5/5 N63-13135 07-23

AGING RESPONSE OF NICKEL-COBALT-MOLYBDENUM STEEL
WAL-TR-320.1/11 N63-14225 09-18

CRYSTALS OF HIGH PURITY ALUMINUM FOR X-RAY DIFFRACTION ANALYSIS
WAL-TR-129.1/1 N63-15456 12-18

MASS EFFECT ON TENSILE PROPERTIES OF HIGH STRENGTH STEEL CASTING
WAL-TR-320.1/9 N63-15459 12-18

MECHANICAL PROPERTIES OF TITANIUM AND ALUMINUM ALLOYS AT CRYOGENIC TEMPERATURE
WAL-TR-340.2/1 N63-15468 12-18

DYNAMIC STRESS CONCENTRATION FACTOR AS FUNCTION OF PULSE FREQUENCY
WAL-TR-811.6/1 N63-15612 12-19

FRACTURE SURFACE CONFIGURATION OF STEEL AFFECTED BY TEMPERATURE AND GEOMETRY
WAL TR 320.1/10 N63-15625 12-18

EFFECT OF SOLIDIFICATION VARIABLES ON MECHANICAL PROPERTIES OF CAST STEEL - MICROANALYZER
WAL-TR-311.1/1 N63-15854 13-18

NOTCH AND SHEAR PROPERTIES OF HEAT TREATED STEEL
WAL-TR-766.5/2 N63-16183 13-18

AMPEROMETRIC TITRATION TO DETERMINE TRACE AMOUNTS OF VANADIUM IN STEELS AND CAST IRONS
WAL-TR-823.3/1 N63-17022 15-18

AUSTENITE DECOMPOSITION IN WELDING STEEL
WAL-TR-320.1/12 N63-17956 16-18

THREE-DIMENSIONAL SUCCESSIVE APPROXIMATIONS FOR ELASTICITY EQUATIONS OF REVOLVING SHELLS - DEFORMATION THEORY
WAL-TR-893.3/4 N63-19445 19-33

LOW TEMPERATURE FLOW AND FRACTURE CHARACTERISTICS OF SOME IRON-BASE ALLOYS
WAL-TR-834.2/9 N63-19530 19-18

FRACTURE MECHANICS OF HIGH STRENGTH STEEL PRESSURE VESSELS
WAL-TR-110.9/1 N63-19615 19-18

EFFECT OF BILLET HISTORY ON HOT EXTRUDED STEEL PROPERTIES - TENSILE STRENGTH
WAL-TR-310.22/3 N63-20461 20-18

WATERVLIET ARSENAL, N.Y.
MEASUREMENT OF THERMAL STRESSES ARISING IN GUN TUBES DURING REPETITIVE FIRING - PHOTOTHERMO-ELASTIC & ELECTRIC ANALOGY METHODS N63-16614 14-33

HIGH ENERGY IMPACT DEVICE FOR SIMULATING REPETITIVE FIRING OF LARGE WEAPON COMPONENTS - DYNAMIC STRESS & FATIGUE MEASUREMENTS N63-16616 14-33

PRESSURE VESSEL TESTING UNDER HIGH PRESSURES AND HIGH LOADING RATES USING A HYDRODYNAMIC DEVICE - STRUCTURAL DYNAMICS N63-16620 14-34

WATKINS-JOHNSON CO., PALO ALTO, CALIF.
GRIDDED 100 KW L-BAND AMPLIFIER FOR PHASED ARRAY RADAR SYSTEM N63-12970 07-09

WIDEBAND ELECTRICALLY TUNABLE FILTER
W-J-62-609R5 N63-13157 07-09

SOLID BEAM ELECTRON GUN N63-13517 08-23

GRIDDED LASER TUBE STUDY, GAIN MEASUREMENT, GAS DISCHARGE, AND WAVE POWER
W-J-63-606R12 N63-13815 09-23

DEVELOPMENT OF COUPLED CAVITY TRAVELING WAVE TUBE AMPLIFIER FOR 1000 WATTS CW AT 35 GC
W-J-63-615R3 N63-14047 09-08

HIGH-POWER MILLIMETER-WAVE GENERATOR N63-14471 10-06

100 KW L-BAND AMPLIFIER FOR PHASED ARRAY RADAR SYSTEMS - FOCUSING AND TRANSMISSION POWER
W-J-63-434R16 N63-16029 13-09

MICROWAVE PHOTOTUBE AND LIGHT MODULATOR
W-J-63-610R12 N63-16344 14-15

DEVELOPMENT OF AN E-BAND AMPLIFIER
RADC-TDR-62-586 N63-16437 14-08

LIGHT EMISSION FROM PULSED DIODES OF NEODYMIUM-DOPED GALLIUM ARSENIDE AND UNDOPED GALLIUM ARSENIDE DIODE LASERS
W-J-63-612R12 N63-16449 14-25

LIGHT MODULATION DETECTOR - PHOTOTUBE - PHOTOCATHODE
W-J-63-610R12-1 N63-17062 15-09

DEVELOPMENT OF COUPLED CAVITY TRAVELING-WAVE TUBE AMPLIFIER TO PRODUCE 1000-CW AT 35-GC
W-J-63-615R6 N63-17378 15-09

GRIDDED 100 KW L-BAND AMPLIFIER FOR PHASED-ARRAY RADAR SYSTEM
W-J 63-434R19 N63-18362 17-09

S-BAND LOW-NOISE PERIODIC PERMANENT MAGNET TRAVELING WAVE TUBE - ELECTRON BEAM FOCUSING
RADC-TDR-63-172 N63-18628 17-09

MICROWAVE OSCILLATOR FOR SPACE VEHICLE POWER SOURCE
W-J-61-336AR24 N63-20664 20-08

YTTRIUM IRON GARNET /YIG/ ELECTRONICALLY TUNABLE BAND PASS FILTER - WEDGE LOADED
W-J-63-609R10 N63-20989 21-09

YTTRIUM IRON GARNET /YIG/ ELECTRONICALLY TUNABLE BAND PASS FILTERS
W-J-63-609R15 N63-21016 21-09

K-BAND, CONTINUOUS WAVE TRAVELING WAVE AMPLIFIER - PARTS LIST N63-22520 23-09

1000 WATT CONTINUOUS WAVE AMPLIFIER
W-J-63-615R10 N63-22651 23-09

WAYNE STATE U., DETROIT, MICH.
THEORETICAL AND EXPERIMENTAL INVESTIGATIONS OF LIGHT SCATTERING OF COLLOIDAL SPHERES
N63-12663 06-23

UNIVERSITY STUDIES ON HUMAN & ANIMAL IMPACT - AUTOMOBILE ACCIDENTS N63-12853 07-16

HEAD INJURY AND SKELETAL RESEARCH
N63-12861 07-16

COLLOIDAL PARTICLE SIZE DISTRIBUTION CURVES DETERMINED BY SPECTRA OF LIGHT SCATTERING RATIO
N63-15348 12-07

LIGHT SCATTERING OF COLLOIDAL SPHERES - SIZE DISTRIBUTION CURVES BY TURBIDITY SPECTRA
N63-18842 18-07

TEMPERATURE DEPENDENCE OF HETEROGENEOUS ATOMIC-HYDROGEN CARBON REACTION N63-20260 20-29

LIGHT SCATTERING OF SPHERES - WAVELENGTH EXPONENT OF DIFFERENTIAL SCATTERING SPECTRA AT 90-DEG ANGLE OF OBSERVATION N63-20738 21-23

WEAPONS RESEARCH ESTABLISHMENT /AUSTRALIA/.
SUPERSONIC WIND-TUNNEL TESTS ON SKYLARK ROCKET - FORCE & MOMENT
HSA-86 N63-10153 01-02

AUTOMATIC FREQUENCY CONTROL FOR A MISSILE-BORNE BEACON RADAR RECEIVER
WPD-6 N63-10321 01-09

MATHEMATICAL MODEL OF THREE-AXIS STABILIZED PLATFORM
SAD-93 N63-10455 01-22

USE OF MATHEMATICAL MODEL TO DETERMINE EFFECT OF NONLINEAR YAW-INDUCED ROLLING AND SIDE MOMENTS ON STABILITY OF A BOMB
SAD-102 N63-12607 06-02

AEROELASTIC DIVERGENCE OF SLENDER MULTISTAGE TEST VEHICLES
HSA-93 N63-13059 07-30

MEASUREMENT OF WIND IN UPPER ATMOSPHERE BY FALLING SPHERES FROM SOUNDING ROCKETS AND BALLOONS
SAD-100 N63-13112 07-21

IONOSPHERIC DATA FOR DECEMBER 1961 FROM WOOMERA, AUSTRALIA N63-13760 08-12

OZONOSPHERE AND ATOMOSPHERIC OZONE - REVIEW
SAD-79 N63-15242 11-21

IONOSPHERE DATA FOR JAN 1962 FROM WOOMERA, SOUTH AUSTRALIA - RADIO ECHO DATA N63-17032 15-12

CIRCUIT ANALYSIS - SEMICONDUCTOR SAMPLE AND HOLD CIRCUITS
EID-61 N63-17064 15-09

NUMERICAL SOLUTION FOR CHARACTER IMPEDANCE OF SQUARE COAXIAL LINE BY DIGITAL COMPUTER
EID-59 N63-17078 15-20

OPTIMUM SMOOTHING OF TRAJECTORY DATA WITH REFERENCE TO FPS 16 RADARS
SAD-103 N63-17175 15-20

ANALYSIS OF ELLIPTICALLY POLARIZED ELECTROMAGNETIC FIELDS USING DIGITAL COMPUTER
EID-64 N63-17256 15-20

EFFICIENCY OF COHN SYNTHESIS FOR WAVEGUIDE FILTERS WITH BANDWIDTH INCREASE
EID-66 N63-17448 15-09

POWER SPECTRA OF TIME SERIES FOR ESTIMATING NOISE SPECTRA
SAD-110 N63-17449 15-08

TIME SIGNAL SYNCHRONIZATION AND FREQUENCY STANDARD FOR AUSTRALIAN MISSILE RANGE
EID-12 N63-17643 16-

DESIGN OF SUPERSONIC-HYPERSONIC BLOWDOWN WIND TUNNEL
HSA-85 N63-17760 16-

FABRICATION, EJECTION AND INFLATION TECHNIQUES FO REFLECTIVE SPHERES OF VARYING AREA/MASS RATIO TO MEASURE IONOSPHERIC DENSITY
SAD-98 N63-17917 16-

TEST PROGRAM AND PERFORMANCE CHARACTERISTICS FOR SUPERSONIC WIND TUNNEL
HSA-81 N63-18062 16-

IBM 7090 COMPUTER PROGRAMS FOR SURVEYORS - GEODES
WRE-TM-TRD-63 N63-18125 16-1

DOWNWASH, SIDEWASH, AND MACH NUMBER DISTRIBUTION MEASUREMENTS BEHIND LIFTING WING BY HEMISPHERICAL HEAD PROBE
HSA-83 N63-19100 18-0

IONOSPHERIC DATA FOR FEBRUARY, 1962 FROM WOOMERA, SOUTH AUSTRALIA N63-19119 18-1

FERRITE CORE SWITCHING MECHANISMS AND TOLERANCE PROBLEM IN COINCIDENT CURRENT CORE STORES - DIGITAL COMPUTER DESIGN - FERROMAGNETISM
EID-68 N63-19130 18-2

WAVELENGTHS OF RECTANGULAR WAVEGUIDES AND FREE SPACE - TABLES OF VALUES
EID-63 N63-19145 18-0

HOURLY VALUES OF IONOSPHERIC DATA FOR MARCH 1962 FROM WOOMERA, SOUTH AUSTRALIA
CPD-1962/3/W/ N63-19153 18-1

ACCURACY OF METEOROLOGY MEASUREMENTS AT WOOMERA, AUSTRALIA
SAD-125 N63-19749 19-2

MEASUREMENT OF ATMOSPHERIC DENSITY, TEMPERATURE, AND PRESSURE AT WOOMERA ON MARCH 29, 1962 BY FALLING SPHERE METHOD
SAD-121 N63-19997 19-1

MUTUAL IMPEDANCE BETWEEN CENTER DRIVEN, COPLANAR, PERPENDICULAR, APPROXIMATELY HALF-WAVE DIPOLES
EID-70 N63-20655 20-0

IONOSPHERIC DATA FOR MAY 1962 FROM WOOMERA, SOUTH AUSTRALIA
CPD-1962/5/W/ N63-22748 23-1

TABULATIONS OF IONOSPHERIC DATA OBTAINED FROM STATION AT WOOMERA, SOUTH AUSTRALIA
CPD-1962/4/W/ N63-22764 23-1

CARTESIAN VELOCITY ERROR ASSOCIATED WITH FPS-16 RADARS AT WOOMERA
SAD-128 N63-23169 24-0

SIMULATION FACILITY FOR THE DIGITAL IMPACT PREDICTOR - FLIGHT SAFETY REQUIREMENTS FOR BALLISTIC ROCKET FIRING
PAD-72 N63-23705 24-0

IONOSPHERIC DATA - AUSTRALIA, JUNE 1962
N63-23761 24-1

TABLES OF HOURLY VALUES OF IONOSPHERIC PARAMETERS FROM AUSTRALIA N63-23762 24-1

WEATHER BUREAU, WASHINGTON, D.C.
METEOROLOGICAL SATELLITES AND WEATHER FORECASTING, TIROS SATELLITE N63-11148 03-2

THE UNITED STATES STANDARD ATMOSPHERE, 1962
ARS PAPER-2678-62 N63-11271 03-2

INFRARED FLUX & SURFACE TEMPERATURE DETERMINATIONS FROM TIROS RADIOMETER MEASUREMENTS
MSL-10 N63-11881 04-2

CONFERENCE ON SFERICS MEASUREMENTS FROM SATELLITES
N63-15516 12-3

METEOROLOGICAL SATELLITE DATA - TIROS III - TELEVISION CLOUD PHOTOGRAPHY N63-15619 12-32

APPROACH VISIBILITY MEASUREMENTS, INSTRUMENTATION, AND APPLICATION TO AIRCRAFT INSTRUMENT LANDING OPERATIONS N63-15924 13-22

SPECTRAL EMITTANCE OF THERMISTOR DETECTORS OF RADIOMETERS ON TIROS SATELLITES
MSL-10, SUPPL. N63-17446 15-21

TIROS SATELLITE PICTURES - GRID POINTS FOR COMPUTER COMPUTATION
MSL-11 N63-17579 16-20

NIMBUS SATELLITE - METEOROLOGICAL APPLICATIONS - DELINEATION OF ICE PACKS AND MAPPING OF SNOW FIELDS - HEAT BALANCE AND DATA TRANSMISSION N63-18604 17-30

SOLAR HIGH ENERGY PARTICLES IN RADIATION BELTS N63-19487 19-28

TIME SECTION AND HODOGRAPH ANALYSIS OF CHURCHILL ROCKET AND RADIOSONDE WINDS AND TEMPERATURE N63-19679 19-12

CLIMATOLOGICAL INFORMATION FOR SUPERSONIC AIRCRAFT DEVELOPMENT N63-19938 19-21

WEATHER CONDITIONS AND TRAFFIC FLOW AT IDLEWILD AIRPORT - TABLES AND GRAPHS
WB-WORKING PAPER 150-2S N63-20617 20-22

STRATOSPHERIC CIRCULATION - SEASONAL VARIATIONS, KINETIC ENERGY BUDGET, WAVE NUMBER ANALYSIS, AND ZONE FLOW N63-21401 22-12

ATMOSPHERE NEAR THE MOON N63-21619 22-29

ATMOSPHERIC, OCEANOGRAPHIC & GEOHYDROLOGIC STUDIES RELATED TO NUCLEAR ROCKET FLIGHT N63-22308 23-16

METEOROLOGICAL SATELLITES AND OPERATIONAL WEATHER FORECASTING N63-23438 24-21

SATELLITE PHOTOGRAPHY AND RADIATION DATA USES IN OPERATIONAL WEATHER FORECASTING AND EARTH ENERGY BUDGET DETERMINATIONS N63-23444 24-21

WEIBULL /WALODDI/, BOCKAMOLLAN, BROSARPS STATION /SWEDEN/.
FATIGUE TESTING - METHODS, MACHINES, APPARATUS, AND ANALYSIS OF RESULTS N63-15239 11-33

WEIDLINGER /PAUL/, NEW YORK, N.Y.
FORCED VIBRATIONS OF ELASTIC CIRCULAR CYLINDRICAL BODY OF FINITE LENGTH IN ACOUSTIC FLUID - PART II, CALCULATION METHOD N63-14490 10-33

WEIZMANN INST. OF SCIENCE, REHOVOTH /ISRAEL/.
PRESSURE INDUCED SHIFTS OF INFRARED LINES DUE TO POLAR MOLECULES
AFCRL-63-231 N63-13667 08-23

BAND STRENGTH OF VIBRATION SPECTRUM OF WATER N63-13681 08-05

EFFECT OF EARTH CORE RIGIDITY ON THE FREE OSCILLATIONS BY GUTENBERG MODEL
AFCRL-63-261 N63-13686 08-12

PRESSURE INDUCED SHIFTS OF INFRARED LINES IN VIBRATION-ROTATION ABSORPTION BANDS OF HCL
AFCRL-63-430 N63-14771 11-23

ABSORPTION LINE STRENGTH IN CARBON MONOXIDE 2-0 BAND
AFCRL-63-283 N63-16132 13-23

APPLICATION OF NUCLEAR SHELL MODEL TO CALCULATION OF ENERGIES OF GROUND STATES AND EXCITED STATES OF NUCLEI
ARL-63-61 N63-16178 13-23

PRESSURE PULSE PROPAGATION MODES IN COMPRESSIBLE FLUID SPHERE
AFCRL-63-682 N63-19649 19-23

PROPAGATION OF PULSES IN COMPRESSIBLE FLUID SPHERES
AFCRL-63-882 N63-21038 21-11

WESER FLUGZEUGBAU G.M.B.H., BREMEN /W. GERMANY/.
EXHAUST-TYPE WINGS AND THEIR APPLICATION IN AIRCRAFT DESIGN
DFL-62/35 N63-10012 01-03

OBSERVATIONS ON FLIGHT CONTROL, UNSTABLE AIRCRAFT, SIMULATORS AND FLIGHT MOTIONS IN STALL CONDITION - STABILITY AND CONTROL N63-20847 21-04

WEST VIRGINIA U., MORGANTOWN.
PREPARATION OF WOOD-PLASTIC COMPOSITE MATERIAL USING GAMMA RADIATION TO INDUCE POLYMERIZATION - EFFECTS OF GAMMA RADIATION ON WOOD
ORD-600 N63-14860 11-07

WESTERN BIOLOGICAL LABS., CULVER CITY, CALIF.
EFFECT OF ANTIOXIDANTS ON SURVIVAL TIME OF RATS EXPOSED TO RADIATION - DIET AND RADIATION RESISTANCE
AMRL-TDR-63-28 N63-17674 16-16

WESTERN ELECTRO-ACOUSTIC LAB., INC., LOS ANGELES, CALIF.
SUPPRESSION OF JET NOISE FROM COAXIAL TURBOFANS, NOZZLES AND EJECTORS WITH EMPHASIS ON THE NEAR FIELD
ASD-TDR-62-578 N63-14057 09-27

UTILIZATION OF DYNAMICALLY SIMILAR STRUCTURAL MODELS IN PREDICTING VIBRATION RESPONSES OF FLIGHT VEHICLES N63-16077 13-33

WESTERN GEAR CORP., LYNWOOD, CALIF.
PHYSICAL PROPERTY TEST ON HIGH-ENERGY RATE STEEL FORGING
AMC-TR-7-866/III/ N63-15831 13-18

WESTERN ONTARIO U., LONDON /CANADA/.
TRANSITION PROBABILITY FROM MOLECULAR SPECTRUM - VIBRATIONAL QUANTUM NUMBERS - VACUUM ULTRAVIOLET TRANSITIONS N63-18009 16-23

AIR REFRACTIVITY CHANGE MEASUREMENTS IN TROPOSPHERE AT HIGH RELATIVE HUMIDITIES AND TEMPERATURES - HAY AND MICROWAVE REFRACTOMETERS
AFCRL-63-631 N63-19377 18-21

WESTERN RADIATION LAB., LOS ANGELES, CALIF.
MICROMETER ACTUATOR WITH ELECTROSTRICTION DESIGN N63-12109 05-06

WESTERN RESERVE U., CLEVELAND, OHIO.
REVIEW OF RADIATION PNEUMONITIS IN MEDICAL LITERATURE - LUNG RADIOPATHOLOGY
WRU-110 N63-17653 16-16

WESTERN UNION TELEGRAPH CO., NEW YORK, N.Y.
INTERNATIONAL DATA LINK SYSTEM, GROUND ENVIRONMENT FOR AIR TRAFFIC CONTROL N63-13365 08-08

WESTINGHOUSE ELECTRIC CORP., BALTIMORE, MD.
MAGNETIC TORQUERS FOR SPACECRAFT ATTITUDE CONTROL
ASD-TDR-63-74 N63-14102 09-22

FAILURE MECHANISMS IN ELECTRONIC COMPONENTS AND MATERIALS - TEST METHODS DEVELOPMENT, RESULTS FOR SEMICONDUCTORS, TRANSISTORS, DIODES, FERRITES
RADC-TDR-63-30 N63-16106 13-25

HIGH POWER SOLID STATE SWITCH
RADC-TDR-63-207 N63-17929 16-08

SPACE RENDEZVOUS GUIDANCE AND DOCKING TECHNIQUES N63-19762 19-32

GEMINI RENDEZVOUS PULSED TRANSPONDER RADAR - INTERFEROMETER ANGLE AND RANGE MEASUREMENT
AIAA PAPER 63-350 N63-20319 20-32

INDUCTIVE ENERGY STORAGE FOR HIGH ENERGY PULSES N63-22284 23-06

ENERGY STORAGE IN SUPERCONDUCTING SOLENOIDS N63-22288 23-06

FAILURE MODES OF DIELECTRICS IN SPACE ENVIRONMENT - LABORATORY STUDY TECHNIQUES
N63-22695 23-09

WESTINGHOUSE ELECTRIC CORP., BLAIRSVILLE, PA.
VACUUM ARC MELTING OF A TUNGSTEN ALLOY
ASD-TDR-62-781 N63-10662 02-17

EXTRUSION, FORGING, ROLLING, AND EVALUATION OF REFRACTORY ALLOYS
ASD-TDR-62-670 N63-10665 02-17

VACUUM ARC MELTING OF TUNGSTEN BASE NIOBIUM ALLOY - EFFECT OF MELTING RATE ON INGOT CHARACTERISTICS
ASD-TDR-63-296 N63-15881 13-18

NIOBIUM ALLOY SHEET PROCESSING
N63-20341 20-18

WESTINGHOUSE ELECTRIC CORP., BLOOMFIELD, N.J.
PHYSICAL METALLURGY OF TUNGSTEN AND TUNGSTEN BASE ALLOYS RELATED TO TENSILE STRENGTH AND DEFORMATION
WADD-TR-60-37, PT. III N63-12276 05-18

WESTINGHOUSE ELECTRIC CORP., EAST PITTSBURGH, PA.
SOLID ELECTROLYTE FUEL CELL DESIGN - CELL AREA, OPERATING TEMPERATURE, AND HEAT EXCHANGE, VOLTAGE OUTPUT IN SERIES CONNECTION N63-14135 09-06

PHOTOCATHODE INTERRACTION WITH STORAGE TARGET PLATES - TELEVISION TYPE OPTICAL AMPLIFIERS
ASD-TR-61-631 N63-15738 12-09

WESTINGHOUSE ELECTRIC CORP., ELMIRA, N.Y.
MATERIAL INTERACTION AND MIGRATION IN CAMERA TUBES - ORTHICON
ASD-TDR-62-78 N63-15508 12-17

WESTINGHOUSE ELECTRIC CORP., LARGE, PA.
REUSABILITY AND DISPOSAL OF NUCLEAR SYSTEMS IN SPACE N63-10377 01-27

WESTINGHOUSE ELECTRIC CORP., LIMA, OHIO.
ELECTRIC PROPULSION FOR SPACECRAFT POWER GENERATION, CONVERSION, AND TRANSMISSION DESIGN DATA N63-16219 13-06

ELECTRIC POWER CONVERSION AND CONTROL DEVICES ON SPACE VEHICLES WITH IONIC PROPULSION
AIAA PAPER-63-243 N63-17923 16-06

RADIOISOTOPE THERMOELECTRIC POWER GENERATORS - HEAT TRANSFER, POWER-TIME REQUIREMENTS, AND RADIOISOTOPES
D-709582 N63-23369 24-23

WESTINGHOUSE ELECTRIC CORP., PHILADELPHIA, PA.
IMPROVING RELIABILITY OF SILICON-ALLOY POWER TRANSISTORS N63-21176 21-09

WESTINGHOUSE ELECTRIC CORP., PITTSBURGH, PA.
A CLOSED LOOP MAGNETOHYDRODYNAMIC DEVICE WITH CESIUM SEEDED HELIUM FLOW N63-11289 03-24

MAGNETOHYDRODYNAMIC-STEAM POWERPLANTS- REDUCTION OF TEMPERATURE OR GENERATOR LENGTH - CESIUM SEEDING N63-11295 03-27

ELECTRON SPIN-LATTICE RELAXATION AT DEFECT SITES IN SYNTHETIC QUARTZ
AFCRL-62-910 N63-13287 07-25

TIME-RESPONSE OF TRANSMISSION-TYPE DYNODE USING POTASSIUM CHLORIDE FOR HIGH SPEED COUNTING
N63-13592 08-23

ROTATIONAL EXCITATION AND MOMENTUM TRANSFER CROSS SECTIONS FOR ELECTRONS IN HYDROGEN AND NITROGEN FROM TRANSPORT COEFFICIENTS N63-14233 10-23

THERMIONIC POWER GENERATORS - EFFICIENCY OF CONVERTING HEAT TO ELECTRICITY BY THERMIONIC DIODES N63-14234 10-06

LONG LIFE CLOSED LOOP MAGNETOHYDRODYNAMIC GENERATOR N63-14296 10-24

RESINS AND REINFORCED LAMINATES AT 600-650 DEG F -
AROMATIC AMIDES AND PYROMELLITIMIDES
N63-14298 10-

DESIGN OF HIGH FREQUENCY SILICON CARBIDE SOLID STATE DEVICE FOR HIGH TEMPERATURE - SEMICONDUCTO
AFCRL-63-61 N63-14996 11-

MAGNETOHYDRODYNAMIC POWERPLANTS - CLOSED LOOP SYSTEM
AD-284753 N63-17055 15-

MAGNETOHYDRODYNAMIC CLOSED LOOP SYSTEM PERFORMANC
N63-17056 15-

MAGNETOHYDRODYNAMIC MACHINE SIZE - EFFECT ON PERFORMANCE N63-17057 15-

COMPARISON OF CALCULATED ELECTRON MOBILITY AND ELECTRICAL CONDUCTIVITY OF CESIUM-SEEDED HELIUM AND THAT MEASURED IN MHD DUCTS
N63-17058 15-

MAGNETOHYDRODYNAMIC EXHAUST GAS COOLING SYSTEM - CLOSED LOOP SYSTEM HEAT EXCHANGER
N63-17059 15-

ALLOYS AND DIFFUSION COUPLES OF YTTRIUM & SCANDIU WITH GROUP V AND VI REFRACTORY ELEMENTS - SOLID SOLUTIONS
ASD-TDR-63-204 N63-18627 17-

MECHANICAL PROPERTIES OF CARBON-NIOBIUM BASE ALLOYS - METALLURGY
WADC-TR-75-344, PT. VII N63-18779 18-

BEARING AND GEAR LUBRICATION IN ULTRAHIGH VACUUM ENVIRONMENT USING PLASTICS, POWDERS, AND COMPOSITES AS DRY LUBRICANTS
AEDC-TDR-63-166 N63-19014 18-

PROCESSING AND PROPERTIES OF TANTALUM RICH ALLOYS IN TANTALUM-TUNGSTEN-HAFNIUM SYSTEM
WANL-PR-M-004 N63-19144 18-

SPIN LATTICE RELAXATION OF F-CENTERS IN POTASSIUM CHLORIDE
AFCRL-63-147 N63-19898 19-

TANTALUM ALLOY SHEET - PILOT PRODUCTION AND EVALUATION
WANL-PR-M-005 N63-20125 20-

IMAGE TUBE SENSISTIVE TO RADIATION IN ULTRAVIOLET SPECTRUM N63-20859 21-

PARAMAGNETIC RESONANCE-ABSORPTION SPECTRUM OF TITANIUM ION IN CORUNDUM - ALUMINUM OXIDE CRYSTALS
AFCRL-63-171 N63-20940 21-

SUPERCONDUCTING MAGNET APPLICATION TO MAGNETOHYDRODYNAMICS - MODELS, COOLING EQUIPMENT AND GENERATOR ANALYSIS N63-21804 22-

DIELECTRICS IN SPACE ENVIRONMENTAL CONDITIONS
N63-22686 23-0

GAS DISCHARGE IN INSULATING SYSTEMS AT PRESSURES BETWEEN ATMOSPHERIC AND HIGH VACUUM
N63-22688 23-

NUCLEAR RADIATION, COSMIC RAYS, SOLAR FLARES, & RADIATION BELT EFFECTS IN SPACE
N63-22691 23-

THERMAL PROPERTIES OF HIGH STABILITY POLYMERS
N63-22697 23-

TANTALUM ALLOY SHEET - PROCESSING AND EVALUATION OF MECHANICAL PROPERTIES
WANL-PR-M-006 N63-23348 24-

PHOTOELASTIC ANALYSIS OF REINFORCED OPENINGS IN CYLINDRICAL, SPHERICAL, AND TORO-SPHERICAL SHELLS SUBJECTED TO INTERNAL PRESSURE
N63-23497 24-

TESTING MATERIALS FOR POWER GENERATOR MODULES
N63-23503 24-

ATOMIC COLLISION PROCESSES RELATING TO IONOSPHERE
N63-23572 24-12

PHOTOELASTIC DETERMINATION OF STRESSES DUE TO BENDING OF THIN CYLINDRICAL NOZZLES IN SPHERICAL PRESSURE VESSELS
N63-23596 24-02

WESTINGHOUSE ELECTRIC CORP., SUNNYVALE, CALIF.
ANALYSIS OF POLYURETHANE FOAM MOUNTED ON POLARIS MISSILE TO CUSHION EFFECTS OF ENVIRONMENTAL SHOCK
N63-16773 14-17

WESTON OBSERVATORY, MASS.
RAPID FLUCTUATION OF GEOMAGNETIC FIELD
AFCRL-63-436 N63-16952 14-12

WHEELER AND WHEELER ASSOCIATES, BRANFORD, CONN.
CRYOGENICS AND MAGNETO-OPTICS - CADMIUM SULFIDE AND ZINC SULFIDE
ARL-62-433 N63-11539 03-23

WHIRLPOOL CORP., EVANSVILLE, IND.
GAS PRODUCTION BY STORED HUMAN WASTES IN A SIMULATED MANNED SPACECRAFT N63-11481 03-16

WHITE ELECTROMAGNETICS, INC., BETHESDA, MD.
INTERFERENCE ASSOCIATED WITH STRUCTURAL DESIGN
RADC-TDR-63-312 N63-20012 19-34

STRUCTURAL RADIO FREQUENCY INTERFERENCE IN HIGH POWER FIELDS
RADC-TDR-63-58 N63-22978 23-08

WHITE SANDS MISSILE RANGE, N. MEX.
PRELIMINARY PLAN FOR GLOBAL TIMING SYNCHRONIZATION
IRIG-106-62 N63-12635 06-08

RADIO COMMAND CONTROL EQUIPMENT CATALOG - RECEIVERS, DECODERS, AND POWER SUPPLY - VOL III
IRIG-105-59 N63-14013 09-08

METEOROLOGICAL ROCKET NETWORK WIND AND TEMPERATURE DATA - WINTER 1961-1962
IRIG-109-62 N63-14223 09-21

METEOROLOGICAL DATA FOR LAUNCHING OF AEROBEE NB3.119 ROCKET AND FOR BALLISTIC STUDIES
ERDA-50 N63-21718 22-21

WIND SHEAR MEASUREMENT DIFFERENCES BY RADAR AND RAWINSONDE
ERDA-68 N63-21917 22-21

WIEN U. /AUSTRIA/.
EFFECTS OF ULTRASONICS ON PLASTICITY OF METALS - CADMIUM, ZINC CRYSTALS N63-17975 16-18

EFFECTS OF ULTRASONICS ON FATIGUE AND DEFORMATION OF METALS N63-20697 21-18

WILCOX ELECTRIC CO., INC., KANSAS CITY, MO.
DESIGN AND DEVELOPMENT OF THE GENERAL AVIATION TRANSPONDER N63-10164 01-08

AVIATION ELECTRONIC SYSTEM PACKAGING
N63-13370 08-34

WILLIAM H. JOHNSTON LABS., INC., BALTIMORE, MD.
RADIATION CHEMISTRY - DISTRIBUTION OF IONS AND MOLECULES IN GAS PHASE
ARL-62-426 N63-10323 01-07

WILLIAMS /CLYDE/ AND CO., COLUMBUS, OHIO.
CELLULAR METALS - NEW CONCEPT FOR MAKING POROUS METALS N63-13141 07-18

WILMOT CASTLE CO., ROCHESTER, N.Y.
DRY HEAT IRRADIATION AND CHEMICAL STERILIZATION OF SPACE PROBE COMPONENTS TO AVOID CONTAMINATION OF EXTRATERRESTRIAL ENVIRONMENT N63-13482 08-12

WISCONSIN U., MADISON.
NONUNIFORM SCALING OF AN APPROXIMATE HYDROGEN MOLECULAR ION WAVE FUNCTION
WIS-TCI-4, SER. 3 N63-10502 01-07

QUANTUM MECHANICAL SOLUTIONS OBTAINED BY TRUNCATED REACTION OPERATORS
WIS-TCI-5, SER. 3 N63-11001 03-20

BOUNDS FOR THE PRINCIPAL FREQUENCY OF NONUNIFORMLY LOADED STRINGS
MRC-341 N63-11448 03-20

ASYMPTOTIC POWER SERIES EXPANSIONS OF INTEGRALS INVOLVING LARGE SEPARATION OF ALL SINGULARITIES FROM THE SADDLE POINT
MRC-344 N63-11449 03-20

POWER SERIES EXPANSION OF INTEGRALS WITH SINGULARITY CLOSE TO SADDLE POINT
MRC-348 N63-11450 03-20

STEADY STATE HEAT CONDUCTION IN A CIRCULAR CONE
MRC-347 N63-11451 03-20

LINEAR TRANSFORMATIONS OF A FUNCTIONAL INTEGRAL
MRC-346 N63-11452 03-20

FUNCTIONAL INTEGRATION
MRC-352 N63-11453 03-20

MATRICES OF LINEAR OPERATORS
MRC-362 N63-11454 03-20

LIFTING PROPERTIES AND DIRECT SUMS IN SET THEORY
MRC-366 N63-11455 03-20

METHOD FOR CALCULATING PROBABILITY OF VIBRATIONAL TRANSITION IN DIATOMIC MOLECULES
WIS-AF-20, SER. 3 N63-11641 04-20

SERIES EXPANSION IN POWERS OF BESSEL FUNCTION
WIS-TCI-7, SER. 2 N63-12340 05-20

KINETIC THEORY OF NONSPHERICAL MOLECULES - SOLUTIONS FOR BOLTZMANN EQUATIONS AND TRANSPORT COEFFICIENTS FOR INELASTIC POLYATOMIC COLLISIONS
WIS-TCI-6, SER. 2 N63-12354 06-11

CONVERGENCE OF RECURRING SERIES WITH GENERAL ORDER RECURRENCE RELATIONS - MATRIX TECHNIQUE
MRC-349 N63-12381 06-20

TWO-PARAMETER EIGENVALUE PROBLEMS IN DIFFERENTIAL EQUATIONS - REDUCTION TO ONE-PARAMETER PROBLEM INVOLVING NONLINEAR INTEGRAL EQUATION
MRC-350 N63-12382 06-20

DENSITY & MOTION OF SPHERICAL SWARM OF PARTICLES ABOUT FIXED ATTRACTING MASS RELATED TO OBSERVATION OF DUST CLOUDS NEAR STABLE L-POINTS
MRC-351 N63-12383 06-05

ALGORITHM FOR SINGULAR QUADRATIC PROGRAMMING
MRC-353 N63-12384 06-20

BERS-BELTRAMI AND LINEAR ELLIPTIC SYSTEMS OF PARTIAL DIFFERENTIAL EQUATIONS
MRC-354 N63-12385 06-20

BOUNDARY LAYER FLOW OF NON-NEWTONIAN FLUID NEAR SPINNING CONE
MRC-358 N63-12386 06-11

SHIFT INVARIANT LINEAR MANIFOLDS
MRC-359 N63-12387 06-20

IDEMPOTENTS IN GROUP ALGEBRA - COMMUTATIVE AND NONCOMMUTATIVE GROUP PROPERTIES
MRC-361 N63-12388 06-20

CONJUGATE FUNCTIONS IN ORLICZ SPACES
MRC-367 N63-12389 06-20

THEOREMS CONCERNING SLOWLY VARYING FUNCTIONS - EXTENSIONS OF ASYMPTOTIC BEHAVIOR OF LAPLACE TRANSFORM OF REGULARLY VARYING FUNCTIONS
MRC-369 N63-12390 06-20

THREE-DIMENSIONAL STRUCTURE OF PLANETARY BOUNDARY LAYER - MICROMETEOROLOGY, TURBULENT BOUNDARY LAYER N63-12580 06-21

DEVELOPMENT OF EXPECTATION VALUE RELATIONSHIPS FOR ONE AND TWO ELECTRON CENTRAL FORCE PROBLEMS BY USE OF HYPERVIRIAL THEOREM

WIS-TCI-8, SER. 3 N63-12812 06-23

EXTREMAL QUESTIONS FOR SIMPLICIAL COMPLEXES - RELATIVE AREA OF KLEIN BOTTLE
MRC-356 N63-13330 08-20

FREE BOUNDARY PROBLEM FOR LAPLACE EQUATION
MRC-357 N63-13331 08-20

DIFFRACTION OF PULSE BY A HALF-PLANE
MRC-364 N63-13332 08-20

SCREENING - PLANT AND ANIMAL BREEDING - SAMPLING
MRC-368 N63-13333 08-20

RIESZ ANALYTIC THEOREM APPLIED TO MEASURES OF BOUNDARY VALUES OF VECTOR FUNCTIONS - VALUES IN BANACH SPACE
MRC-370 N63-13334 08-20

NUMERICAL SOLUTION OF PROBLEMS ALLOWING MIXED BOUNDARY CONDITIONS - ELLIPTIC PROBLEMS, DIRICHLET PROBLEMS
MRC-372 N63-13335 08-20

SIMILARITY SOLUTIONS OF PARTIAL DIFFERENTIAL EQUATIONS OF BOUNDARY LAYER
MRC-375 N63-13336 08-20

PROGRAMMING APPROXIMATE SOLUTION OF AXIALLY SYMMETRIC PROBLEMS - DIRICHLET PROBLEMS OF ELLIPTIC PARTIAL DIFFERENTIAL EQUATION
MRC-377 N63-13337 08-20

SET OF MATRICES FOR TESTING COMPUTER PROGRAM
MRC-325 N63-13633 08-20

USE OF TRUNCATED REACTION OPERATOR TO OBTAIN APPROXIMATE SOLUTIONS TO SCHROEDINGER EQUATION
WIS-TCI-10, SER. 3 N63-14065 09-07

ELASTIC AND INELASTIC ELECTRON-ATOM COLLISIONS AND THE HYPERVIRIAL
WIS-TCI-11, SER. 3 N63-14066 09-23

WHITTAKER-HILL AND WAVE EQUATION IN PARABOLOIDAL COORDINATES
MRC-319 N63-14424 10-20

TRANSITION THEORY OF CREEP RUPTURE AND RELAXATION
MRC-321 N63-14425 10-20

ASYMPTOTIC BEHAVIOR OF BESSEL FUNCTIONS - EXPRESSION IN TERMS OF TRIGONOMETRIC FUNCTIONS
MRC-313 N63-14433 10-20

GENERALIZATION OF TAUBERIAN THEOREMS
MRC-324 N63-14453 10-20

TRANSITION THEORY OF ELASTIC-PLASTIC DEFORMATION APPLIED TO BENDING OF RECTANGULAR SHEET
MRC-326 N63-14454 10-33

NEUMANN-SERIES SOLUTIONS OF ELLIPSOIDAL WAVE EQUATION
MRC-327 N63-14455 10-20

TWO-BODY PROBLEM OF CLASSICAL ELECTRODYNAMICS - ONE DIMENSIONAL CASE
MRC-332 N63-14456 10-20

INERTIA THEOREMS FOR MATRICES - THE SEMI-DEFINITE CASE
MRC-342 N63-14457 10-20

INTEGRAL-TYPE FUNCTIONAL EXTENSION AND EXAMINATION IN LINEAR LATTICE LANGUAGE
MRC-240 N63-14458 10-20

REAL VALUED SOLUTIONS TO A CLASS OF SINGULAR INTEGRAL EQUATIONS
MRC-278 N63-14459 10-20

CLASS OF LINEAR DIFFERENCE-INTEGRAL EQUATIONS - COMPLEX FUNCTIONS PHI
MRC-292 N63-14460 10-20

SECOND SOLUTION OF LAME EQUATION
MRC-309 N63-14461 10-20

NONUNIFORM MAGNETOHYDRODYNAMIC SHOCK PROPAGATION I WITH REFERENCE TO CYLINDRICAL AND SPHERICAL SHOCK WAVES
MRC-310 N63-14462 10-2

SINGULARITIES OF HARMONIC FUNCTION OF 3 VARIABLES BY SERIES DEVELOPMENT USING BERGMAN OPERATOR
MRC-312 N63-14463 10-2

EXISTENCE AND STABILITY OF DIFFERENCE-DIFFERENTIA SYSTEMS - GENERALIZATION OF LIAPUNOV METHOD
MRC-300 N63-14473 10-2

CYLINDRICAL AND SPHERICAL SHOCK WAVES IN MONATOMI CONDUCTING FLUIDS - NUMERICAL INTEGRATION
MRC-299 N63-14474 10-1

DIFFRACTION OF PULSES BY A HALF-PLANE - DELTA FUNCTION ANALYSIS
MRC-293 N63-14475 10-2

DIFFRACTION OF PLANE ELASTIC WAVES BY A CRACK, WITH APPLICATION TO A PROBLEM OF BRITTLE FRACTURE
MRC-294 N63-14476 10-2

DIFFRACTION BY A REFRACTING WEDGE
MRC-297 N63-14477 10-2

BOUNDARY VALUES OF ANALYTIC VECTOR VALUED FUNCTIO
MRC-303 N63-14478 10-2

RELATED EQUATION FOR THE ASYMPTOTIC THEORY OF LINEAR ORDINARY DIFFERENTIAL EQUATIONS ABOUT A TURNING POINT
MRC-305 N63-14479 10-2

PROPERTIES OF SOLUTIONS OF ABSTRACT DIFFERENTIAL INEQUALITIES CONTAINING A FUNCTION WITH LINEAR OPERATOR VALUES ACTING IN A BANACH SPACE
MRC-334 N63-14480 10-2

INITIAL-BOUNDARY VALUE PROBLEMS FOR LINEAR HYPERBOLIC PARTIAL DIFFERENTIAL EQUATIONS - THEOR OF DIFFRACTION
MRC-301 N63-14505 10-2

RESULTS IN DELAY-DIFFERENTIAL EQUATIONS
MRC-306 N63-14506 10-2

THEORY OF LEAST SQUARES - ROLE OF LINEAR CONSTRAINTS
MRC-314 N63-14507 10-2

LIAPUNOV METHOD EXTENDED TO SOME DIFFERENTIAL EQUATIONS IN BANACH SPACES - NORMS, EXISTENCE AND STABILITY, AND BOUNDEDNESS OF A SET
MRC-315 N63-14508 10-2

MULTIPLE SCATTERING OF PLANE WAVES BY TWO ELLIPTIC CYLINDERS
MRC-316 N63-14509 10-2

EXTENSION PROBLEM FOR POSITIVE-DEFINITE FUNCTIONS ON GROUPS OF LATTICE POINTS AND ON EUCLIDEAN SPACE
MRC-317 N63-14510 10-2

BOUNDARY LAYER THEORY FOR UNSYMMETRIC DEFORMATIONS OF CIRCULAR CYLINDRICAL ELASTIC SHELLS
MRC-318 N63-14511 10-33

DIFFERENCE APPROXIMATIONS WITH NON-NEGATIVE COEFFICIENTS FOR PARTIAL DIFFERENTIAL EQUATIONS
MRC-323 N63-14512 10-2

ANALYSIS OF BANACH FUNCTION SPACES OF VECTOR VALUED FUNCTIONS
MRC-328 N63-14513 10-2

OPERATIONAL CALCULUS OF FACTORIAL DESIGN FOR ANALYSIS OF BLOCK AND PRODUCT DESIGN
MRC-330 N63-14514 10-2

ASYMPTOTIC METHOD OF SOLUTIONS FOR NONHOMOGENEOUS EQUATIONS WITH TURNING POINT
MRC-331 N63-14515 10-2

DATA TRANSFORMATION HEURISTICS FOLLOWING CURTISS THEOREM USING PROBABILITY AND REAL FUNCTION THEORY
MRC-355 N63-14583 10-2

SCATTERING OF RADIATION OF ASYMMETRIC SOURCE BY CIRCULAR CYLINDER
MRC-365 N63-14584 10-20

CONTINUED FRACTION EXPANSIONS FOR BINOMIAL QUADRATIC SURDS - COMPUTER COMPUTATION
MRC-363 N63-14593 10-20

ASYMPTOTIC SOLUTION OF MACLAURIN SPHEROID STABILITY FOR SMALL KINEMATIC VISCOSITY - EQUATIONS OF MOTION
MRC-373 N63-14594 10-11

LIQUID MOTION IN SPHERICAL CAVITY OF RIGID BODY - EARTH PRECESSION EFFECT ON MOTION OF ITS LIQUID CORE
MRC-374 N63-14595 10-11

MAGNETOFLUID DYNAMICS OF BODIES IN ALIGNED FIELDS
MRC-360 N63-14596 10-24

EMPIRICAL AND THEORETICAL STUDIES OF ATMOSPHERIC ENERGETICS - GEOSTROPIC KINETIC ENERGY SPECTRUM, SOUTHERN CIRCUMPOLAR VORTEX, TERRESTRIAL RADIATION
N63-14914 11-21

ANALYSIS OF GEOSTROPIC KINETIC ENERGY SPECTRUM OF LARGE SCALE ATMOSPHERIC TURBULENCE - ATMOSPHERIC ENERGETICS
N63-14915 11-21

MAINTENANCE OF SOUTHERN HEMISPHERE CIRCUMPOLAR VORTEX - ATMOSPHERIC ENERGETICS
N63-14916 11-21

SOUTHERN CIRCUMPOLAR VORTEX AND SPRING WARMING OF POLAR STRATOSPHERE - ATMOSPHERIC ENERGETICS
N63-14917 11-21

RELATIONSHIP BETWEEN ATMOSPHERIC ENTROPY AND AVAILABLE POTENTIAL ENERGY - ATMOSPHERIC ENERGETICS
N63-14918 11-21

STUDY OF TERRESTRIAL RADIATION MEASURED BY TIROS II METEOROLOGICAL SATELLITE - ATMOSPHERIC ENERGETICS
N63-14919 11-21

STUDY OF MOVEMENT OF LONG ATMOSPHERIC WAVES BY MEANS OF PHASE CHANGE OF ZONAL FOURIER HARMONICS - ATMOSPHERIC ENERGETICS
N63-14920 11-21

COMPARISON OF HARTREE-FOCK ORBITAL WITH FIRST NATURAL SPIN ORBITAL FOR TWO-ELECTRON SYSTEM
WIS-TCI-12 N63-14924 11-23

ONE-DIMENSIONAL HYDROMAGNETIC FLOW WITH TRANSVERSE MAGNETIC FIELD - SIMPLE WAVE FLOW AND FLOW IN CHANNEL WITH SMALL AREA VARIATIONS
MRC-269 N63-14945 11-20

POOL BOILING OF SODIUM FOR HIGH TEMPERATURE HEAT TRANSFER - LIQUID METAL COOLED REACTORS
N63-15009 11-13

UNITED-ATOM EXPANSIONS FOR HELIUM AND HYDROGEN ATOMS - VALIDITY FOR GROUND STATE & EXCITED STATE SHORT RANGE INTERACTIONS N63-15294 12-23

ASYMPTOTIC DISTRIBUTION OF THE ZEROS OF A CLASS OF ENTIRE FUNCTIONS
MRC-394 N63-15703 12-20

CONDITION FOR WYE-DELTA TRANSFORMATION - NETWORKS
MRC-383 N63-15909 13-20

POWER SERIES WHOSE SUMS HAVE FEW ZEROES IN ANGLE - FUNCTIONS AND COEFFICIENTS BY HARMONIC ANALYSIS
MRC-387 N63-15910 13-20

STEADY-STATE DIFFRACTION OF ELECTROMAGNETIC RADIATION BY OBSTACLES IN INHOMOGENEOUS, ANISOTROPIC, CONDUCTING MEDIA
MRC-388 N63-15938 13-24

TIED-DOUBLE-CHANGE-OVER DESIGNS - BIOMETRICS
MRC-391 N63-15939 13-20

WAVE PROPAGATION ON FREE SURFACE OF ELASTIC SOLIDS
MRC-386 N63-15953 13-23

NON-MARKOVIAN STOCHASTIC MODELS APPLIED TO INTERPRET CLINICAL MEDICINE - BIOSTATISTICS
MRC-385 N63-16043 13-16

DYNAMIC FIELDS - STRESS AND VELOCITY DISTRIBUTIONS OF CONSTANTLY MOVING ENERGY SOURCE IN ELASTIC PLATES - ELASTODYNAMICS OF MOVING LOADS
MRC-311 N63-16384 14-24

EXTREMAL QUESTIONS FOR SIMPLICIAL COMPLEXES - PROBLEMS OF GEOMETRY AND ANALYSIS OF HIGHER EUCLIDIAN SPACE
MRC-320 N63-16528 14-20

EXTREMAL QUESTIONS FOR SIMPLICIAL COMPLEXES - APPLICATION OF VARIATIONAL METHODS - ALGEBRAIC AND GEOMETRIC RESULTANTS
MRC-322 N63-16529 14-20

DIRECT PRODUCT REPRESENTATION OF WAVE FUNCTIONS BY COEFFICIENT MATRIX
CF-2986 N63-16541 14-20

SOLUTION OF INTEGRAL EQUATION OF THIRD KIND BY SUCCESSIVE APPROXIMATION
MRC-345 N63-16552 14-20

MATHEMATICAL MODELS - PROBABILITY THEORY
MRC-390 N63-16589 14-20

APPLICATIONS OF FACTORIAL CALCULUS TO GENERAL UNEQUAL NUMBERS ANALYSIS
MRC-393 N63-16590 14-20

SPECTRAL FUNCTIONS OF SYMMETRIC OPERATOR
MRC-397 N63-16591 14-20

POWER SERIES - ZEROS OF POLYNOMIALS
MRC-398 N63-16594 14-20

LURE CANONICAL EQUATION FOR LINEAR CONTROL SYSTEM WITH SINGLE NONLINEAR ACTUATOR
MRC-392 N63-16666 14-20

SEMI-MARKOV MODEL FOR CLINICAL TRIALS - DATA ANALYSIS - STOCHASTIC PROCESS
MRC-396 N63-16791 14-20

KUTTA-JOUKOWSKI CONDITION IN MAGNETOHYDRO-DYNAMICS - MAGNETIC FIELD EFFECT ON LIFTING FORCE ON FLAT PLATE IN CONDUCTING FLUID
MRC-399 N63-19013 18-11

NUMERICAL SOLUTION OF LINEAR DIFFERENCE EQUATIONS WITH AUXILIARY CONDITIONS AT BOTH ENDS
MRC-400 N63-19091 18-20

RANDOM ACCELERATION PROBLEM - DIFFERENTIAL EQUATION SOLUTION - CAUCHY INTEGRAL
MRC-403 N63-19126 18-20

NUMERICAL SOLUTION OF DIRICHLET ELLIPTICAL BOUNDARY LAYER PROBLEM
MRC-408 N63-19127 18-11

CAUCHY PROBLEM FOR DEGENERATIVE LINEAR PARABOLIC PARTIAL DIFFERENTIAL EQUATIONS OF STOCHASTIC CONTROL THEORY
MRC-402 N63-19318 18-20

TRANSLATION INVARIANT SUBSPACES OF FINITE DIMENSION - THEOREM PROVED USING LINEAR DIFFERENTIAL EQUATION
MRC-401 N63-19319 18-20

DISCRETE POTENTIAL AND BOUNDARY VALUE PROBLEMS FOR LAPLACE DIFFERENCE EQUATIONS
MRC-371 N63-19320 18-20

PERTURBATION THEORY APPLIED TO MOLECULAR QUANTUM MECHANICS - CALCULATION OF INTERMOLECULAR FORCES & POTENTIAL ENERGY SURFACES IN UPPER ATMOSPHERE
NASA-CR-50787 N63-19674 19-07

PERTURBATION THEORY APPLIED TO LAGUERRE FUNCTIONS
NASA-CR-50776 N63-19947 19-23

GENERALIZATION OF LAPLACE EXPANSION TO ARBITRARY POWERS AND FUNCTIONS OF DISTANCE BETWEEN TWO

POINTS
NASA-CR-50851 N63-20211 20-20

MICROWAVE CYCLOTRON RESONANCE - BAND STRUCTURE, TRANSPORT PROPERTIES, SEMICONDUCTORS, & SEMIMETALS
ARL-63-127 N63-22346 23-23

RADIAL LIMITS OF QUASI-CONFORMAL FUNCTIONS - MATHEMATICS
MRC-406 N63-22616 23-20

INTEGRAL EQUATIONS FOR ELECTROMAGNETIC FIELDS IN ANISOTROPIC INHOMOGENEOUS MEDIA
MRC-395 N63-22645 23-09

EXISTENCE AND APPROXIMATION THEOREMS FOR ORDINARY DIFFERENTIAL EQUATIONS AND THEIR SYSTEMS
MRC-404 N63-22646 23-20

APPROXIMATE SOLUTIONS OF INTEGRAL AND OPERATOR EQUATIONS
MRC-407 N63-22647 23-20

IDEMPOTENTS IN GROUP RINGS - BANACH ALGEBRA AND SUPPORT GROUPS
MRC-412 N63-22648 23-20

SUCCESSIVE APPROXIMATIONS FOR SOLUTION OF FREDHOLM INTEGRAL EQUATIONS
MRC-413 N63-22649 23-20

FORMULAS FOR EXPRESSING PRODUCTS OF HERMITE TYPE POLYNOMIALS
MRC-415 N63-22650 23-20

SPECTROSCOPIC ANALYSIS OF LIGHT ELEMENTS
N63-23064 24-07

GEODESY RESEARCH - GRAVITY MEASUREMENTS AND EARTH SHAPE DATA FROM SATELLITE ORBIT CALCULATIONS - GEODETIC SATELLITE RECOMMENDATIONS
N63-23445 24-12

WISSENSCHAFTLICHE GESELLSCHAFT FUR LUFT- UND RAUMFAHRT, COLOGNE /W. GERMANY/.
STABILITY & AEROELASTICITY OF AIRCRAFT PERFORMANCE UNDER AERODYNAMIC LOADS
WGLR-5/1963 N63-19994 19-33

PROPELLERS, SHROUDED PROPELLERS, AND ROTORS
WGL-3/1962 N63-20126 20-03

FLIGHT MECHANICS - STABILITY AND CONTROL
WGLR-2/1963 N63-20151 20-04

HELICOPTER FLIGHT - INSTRUMENTS & CHARACTERISTICS
WGLR-3/1963 N63-20159 20-04

GLASS FIBERS AS STRUCTURAL MATERIALS FOR AIRCRAFT CONSTRUCTION
WGL-4/1962 N63-20162 20-19

AIR-BREATHING ENGINES AND AERODYNAMIC MEASURING TECHNIQUES
WGLR-1/1963 N63-20180 20-15

FLIGHT MECHANICS AND FLIGHT REGULATION - SYMPOSIUM
WGLR-4/1963 N63-20226 20-31

AIRCRAFT INSTRUMENTATION AND ELECTRONIC APPARATUS MAINTENANCE - AIR AND SPACE TRAVEL APPLICATIONS
N63-20479 20-01

AERODYNAMIC MEASURING TECHNOLOGY - PRESSURE AND TEMPERATURE PROBES, VELOCITY MEASUREMENTS, FLOW CHARACTERISTICS, AND GAS DYNAMICS
WGL-5/1962 N63-20803 21-15

LIQUID PROPELLANTS AND ROCKET ENGINE TECHNOLOGY
WGL-2-1962 N63-21007 21-26

WITWATERSRAND U., JOHANNESBURG /UNION OF SOUTH AFRICA/.
EQUATIONS FOR BURNING VELOCITY OF STOICHIOMETRIC ACETYLENE-AIR MIXTURES IN A SPHERICAL CONSTANT VOLUME VESSEL
N63-19156 18-26

WOLF RESEARCH AND DEVELOPMENT CORP., WEST CONCORD, MASS.
COMPUTER PROGRAM, MATRIX OPERATION, EXPERIMENTAL DYNAMIC PROCESSOR DX-1
AFCRL-63-39 N63-13610 08-

SPACE PROBE DATA CONDITIONING AND REDUCTION METHODS
AFCRL-63-852 N63-20913 21-

ON-LINE SUB-PROGRAM FOR DETERMINATION OF EIGENVALUES AND EIGENVECTORS WITH GRAPHIC CONVERGENCE MONITORING
AFCRL-63-365 N63-21671 22-

ATMOSPHERIC PERTURBATION EFFECT ON NEARLY CIRCULA SATELLITE ORBITS
AFCRL-63-895 N63-22803 23-

WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY, SHREWSBURY, MASS.
STEROID HORMONES - ADRENAL CORTICAL FUNCTION CHANGES IN CHIMPANZEE DURING SIMULATED AND ACTUA SPACE FLIGHT
ARL-TDR-63-17 N63-19065 18-

CHIMPANZEE RESPONSE TO SEVERE ENVIRONMENTAL STRESSORS - BIOCHEMICAL STUDIES
ARL-TDR-63-18 N63-19196 18-

WORCESTER POLYTECHNIC INST., MASS.
MASS TRANSFER AND COMBUSTION RATES IN TURBULENT FLAMES N63-16253 13-

WRIGHT INSTRUMENTS, INC., VESTAL, N.Y.
GROUND ALTIMETER SYSTEMS SURVEY AT VARIOUS AIRPORTS & FOR AIRCRAFT TYPES
N63-21861 22-

WRISLEY ENGINEERING, INC., WINCHESTER, MASS.
AEROELASTICITY - GROUND RESONANCE TEST METHODS F DETERMINING NATURAL VIBRATION MODES OF AIRCRAFT STRUCTURES N63-17818 16-

WYANDOTTE CHEMICALS CORP., MICH.
SYNTHESIS OF LOW TEMPERATURE CHEMICAL RESISTANT URETHANE ELASTOMERS N63-11430 03-

SYNTHESIS OF LOW-TEMPERATURE OIL-RESISTANT URETHANE ELASTOMERS N63-13316 07-

SYNTHESIS OF LOW TEMPERATURE OIL RESISTANT URETHANE ELASTOMERS N63-16953 14-

PREPARATION, STABILIZATION, AND CHARACTERIZATION OF ENERGY RICH OR EXCITED ATOMS OF LOW MOLECULAR WEIGHT
NASA-CR-50296 N63-18289 17-

WYLE LABS., INC., EL SEGUNDO, CALIF.
VIBRATION AND SHOCK LOAD TESTING OF HORIZON SENS MOUNTING AND DOME
NASA-CR-50482 N63-18158 16-

WYMAN-GORDON CO., WORCESTER, MASS.
PERSHING MOTOR CASE CLOSURE FROM 18 PCT. NICKEL-COBALT-MOLYBDENUM MAR-AGING STEEL - AIRFRAME MATERIALS
W-G-RD-62-156 N63-13654 08-

DISCUSSION OF COMPLETE PROCESS OF BERYLLIUM POWD FORGING
RD-63-105 N63-13655 08-

Y

YALE U., NEW HAVEN, CONN.
EXPERIMENTAL LIMITS FOR THE ELECTRON-PROTON CHAR DIFFERENCE AND FOR THE CHARGE OF THE NEUTRON
N63-10484 01-

ALKALI POLARIZABILITIES BY ATOMIC BEAM ELECTROSTATIC DEFLECTION METHOD
N63-14275 10-

EXTRATERRESTRIAL MICROBIOLOGY - MARS, RESPIRATIO AND PHOTOSYNTHESIS N63-14434 10-

RADIATION HAZARDS OF PI AND MU MESONS - BIOLOGIC

EFFECTS AND SPACECRAFT SHIELDING
N63-15159 11-16

X-RAY DIFFRACTION STUDY OF DEFORMATION BY FILING IN BODY-CENTERED CUBIC REFRACTORY METALS
N63-15749 12-18

METEOR IONIZATION AND MASS OF METEOROIDS - ATOMIC COLLISIONS
N63-16651 14-05

EXPERIMENTAL LIMITS FOR ELECTRON-PROTON CHARGE DIFFERENCE AND CHARGE OF NEUTRON
NASA-CR-50041 N63-17225 15-23

CHEMICAL REACTIONS AND PHASE CHANGES IN SUPERSONIC NOZZLE FLOW
N63-18570 17-07

EFFECTS OF DECABORANE ON BRAIN ACTIVITY OF MONKEYS
AMRL-TDR-63-41 N63-19322 18-16

BIOGEOCHEMISTRY OF SULFUR ISOTOPES - SULFUR IN METEORITES, MARINE SEDIMENT, SEA AND LAKE WATERS - SULFUR FRACTIONATION BY ANAEROBIC BACTERIA
N63-20350 20-16

INTERACTION ENERGY IN GEOMETROSTATICS - GEOMETRODYNAMIC DESCRIPTION OF PARTICLES BY TOPOLOGICAL FEATURES OF EMPTY SPACE-TIME
N63-22876 23-23

YALE U. OBSERVATORY, NEW HAVEN, CONN.
DEPARTURES FROM LOCAL THERMODYNAMIC EQUILIBRIUM IN EMISSION AND ABSORPTION BY CONTINUOUS ENERGY STATES
ARL-63-63 N63-17471 15-23

EMISSION AND ABSORPTION OF RADIATION FROM FULLY IONIZED PLASMA IN PRESENCE OF MAGNETIC FIELD
ARL-63-62 N63-17895 16-24

LITHIUM AND BERYLLIUM ABUNDANCE IN METEORITES AND SOLAR ATMOSPHERE
N63-19192 18-28

PHOTOGRAPHIC STUDIES OF HORIZON PATTERNS FROM HIGH ALTITUDES
N63-19681 19-12

DECAMETRIC RADIATION FROM JUPITER - SYNOPTIC OBSERVATIONS 1957 TO 1961 - RADIATION STORM MEASUREMENTS
N63-20691 21-05

JUPITER RADIATION CONDITIONS - ROTATION PERIOD, POLARIZATION ANOMALIES, POWER AND ENERGY IN DECAMETER STORMS
N63-21063 21-28

FINE STRUCTURE OF SPECTRAL EMITTANCE OF JUPITER IN DECAMETRIC REGION - NOISE STORMS
N63-21064 21-29

PERTURBATIONS IN THE ORBIT OF THE MOON
N63-21616 22-29

YERKES OBSERVATORY, WILLIAMS BAY, WIS.
FLUORESCENT SCATTERING IN PLANETARY ATMOSPHERES - APRT II, COUPLING AMONG TRANSITIONS
N63-13167 07-28

BAND-HEAD WAVELENGTHS OF SOME RADICALS & THEIR IONS FOR INTEPRETING ULTRAVIOLET SPECTRA OF DAYGLOW, TWILIGHT & AURORAE OF EARTH, MARS & VENUS
N63-13170 07-05

FLUORESCENT SCATTERING IN PLANETARY ATMOSPHERES - ULTRAVIOLET SPECTRUM
N63-13179 07-29

ORIGIN OF AURORA - REVIEW OF HYPOTHESES AND PLANNED SATELLITE AND SPACE PROBE EXPERIMENTS
N63-23443 24-12

YESHIVA U., NEW YORK, N.Y.
STATISTICAL EVALUATION OF LOW ORDER DISTRIBUTION FUNCTIONS AND THERMODYNAMIC PROPERTIES OF NONUNIFORM EQUILIBRIUM FLOW
N63-22049 22-11

REPORT/ACCESSION NUMBER INDEX

Listing of Report Numbers

To the right of each report number is the NASA accession number followed by a four digit number for locating the abstract. The first two digits identify the specific issue of *STAR*, and the two digits after the hyphen identify the subject category in that issue under which the abstract appears.

A-2	N63-12961	07-24
A-8	N63-12962	07-23
A-9	N63-12963	07-24
A-10	N63-12964	07-24
A-12	N63-12965	07-24
A-1771-16	N63-13060	07-02
A-110052-5	N63-10479	01-04
A-920057-1	N63-12035	05-24
A-920057-3	N63-13602	08-23
A-920057-4	N63-16722	14-11
A-920057-5	N63-18394	17-24
A62-12	N63-12367	06-17
A62-13	N63-13326	08-07
A62-15	N63-13327	08-07
A62-16	N63-13328	08-07
A052	N63-21867	22-18
A053	N63-21868	22-18
A054	N63-21664	22-33
A055	N63-21869	22-17
A056	N63-21870	22-18
A057	N63-21871	22-18
A058	N63-21663	22-09
A059	N63-21662	22-33
A060	N63-21872	22-17
A061	N63-21371	22-18
A062	N63-21194	21-18
A063	N63-21873	22-18
A064	N63-21874	22-17
A065	N63-21198	21-18
A066	N63-21665	22-13
A067	N63-21875	22-18
A068	N63-21876	22-18
A069	N63-21877	22-18
A070	N63-21878	22-18
A071	N63-21879	22-18
A072	N63-21880	22-18
A073	N63-21881	22-18
A074	N63-21882	22-17
A075	N63-21883	22-17
A076	N63-21884	22-17
A077	N63-21661	22-17
A078	N63-21409	22-17
A079	N63-21885	22-17
A080	N63-21886	22-18
A082	N63-21660	22-19
A&ES-62-6	N63-11165	03-33
A&ES-62-8	N63-10878	02-11
A&ES-62-13	N63-11166	03-33
A&ES-62-17	N63-15853	13-11
A&ES-62-18	N63-21659	22-23
A&ES-62-19A	N63-20831	21-26
A&ES-63-1	N63-21414	22-33
A&ES-63-3	N63-22813	23-33
A&ES-63-4	N63-22043	22-26
A&ES-63-5	N63-22059	22-33
A&ES-63-6	N63-22060	22-02
A&ES-63-7	N63-21462	22-24
A&ES-63-8	N63-22061	22-05
A&ES-63-9	N63-21650	22-29
AAC-4434	N63-20670	20-17
AAE-62-1	N63-13000	07-33
AAE-62-2	N63-14966	11-11
AAE-63-1	N63-15418	12-20
AAE-63-2	N63-23674	24-23
AAL-TDR-62-6	N63-17701	16-16
AAL-TDR-62-7	N63-21400	22-16
AAL-TDR-62-11	N63-21681	22-16
AAL-TDR-62-12	N63-21397	22-16
AAL-TDR-62-13	N63-17346	15-16
AAL-TDR-62-14	N63-16868	14-16
AAL-TDR-62-15	N63-17347	15-16
AAL-TDR-62-16	N63-17348	15-16
AAL-TDR-62-17	N63-17092	15-16
AAL-TDR-62-18	N63-17349	15-16
AAL-TDR-62-19	N63-17649	16-16
AAL-TDR-62-20	N63-19639	19-16
AAL-TDR-62-24	N63-17193	15-16
AAL-TDR-62-30	N63-17650	16-16
AAL-TDR-62-39	N63-18677	17-16
AAL-TDR-62-40	N63-17648	16-07
AAL-TDR-62-41	N63-21396	22-16
AAL-TDR-62-43	N63-18978	18-16
AAL-TDR-62-45	N63-19237	18-16
AAL-TDR-62-46	N63-21395	22-16
AAL-TDR-62-47	N63-21398	22-16
AAL-TDR-62-48	N63-19306	18-16
AAL-TDR-62-49	N63-19455	19-16
AAL-TDR-62-51	N63-19057	18-16
AAL-TDR-62-53	N63-19406	19-16
AAL-TDR-62-54	N63-17093	15-16
AAL-TDR-62-55	N63-17094	15-16
AAL-TDR-62-56	N63-19238	18-16
AAL-TDR-62-57	N63-21680	22-16
AAL-TDR-62-58	N63-22714	23-16
AAL-TDR-62-59	N63-21682	22-16
AAL-TDR-62-60	N63-17095	15-16
AAL-TDR-62-61	N63-17096	15-16
AAL-TDR-62-62	N63-17097	15-16
AAL-TDR-62-63	N63-21399	22-16
AAL-TDR-62-64	N63-21408	22-16
AAL-TDR-63-5	N63-22715	23-16
AAL-TDR-63-6	N63-22716	23-16
AAL-TDR-63-12	N63-19239	18-19
AAL-TDR-63-14	N63-22717	23-14
AAL-TDR-63-18	N63-22718	23-10
AAL-TDR-63-24	N63-22768	23-14
AAL-TN-62-10	N63-22719	23-16
AAL-TN-63-1	N63-17098	15-17
AAL-TN-63-3	N63-19503	19-09
AAL-TN-63-4	N63-19031	18-16
AAS-62-81	N63-13738	08-32
AASU-185	N63-14312	10-11
AASU-208	N63-14401	10-15
AASU-225	N63-10943	02-33
AASU-227	N63-13984	09-10
AASU-228	N63-13494	08-03
AASU-231	N63-13495	08-33
AB-1108-0006	N63-23757	24-23
ABL/B-22	N63-11048	03-15
ABL/M-118	N63-21920	22-27
ABL/M-195/REV./	N63-14007	09-27
ABL/X-86	N63-23152	24-20
ABL/X-87	N63-19715	19-27
ABL/X-98	N63-19626	19-13
ABL/X-105	N63-23743	24-19
ABL/Z-48	N63-12255	05-17
ACIC-TR-98	N63-14856	11-29
ACL-MEMO-78	N63-23058	24-09

ACNP-62015B	N63-11685	04-10
ACORN-23	N63-15956	13-20
ACORN-24	N63-13074	07-09
ACR-61	N63-19211	18-23
ACR-63	N63-13659	08-20
ACRH-19	N63-18345	17-16
AD-120466	N63-16892	14-11
AD-154159	N63-16891	14-13
AD-216319	N63-14525	10-12
AD-271170	N63-10724	02-24
AD-272669	N63-10161	01-34
AD-273136	N63-14739	11-29
AD-273607	N63-17686	16-20
AD-274015	N63-16329	13-28
AD-274794	N63-16853	14-15
AD-276365	N63-17014	15-33
AD-276384	N63-13960	09-23
AD-276693	N63-18251	17-17
AD-276705	N63-16918	14-24
AD-277582	N63-16833	14-20
AD-278083	N63-16929	14-16
AD-278085	N63-14084	09-23
AD-278355	N63-18721	17-33
AD-278678	N63-16516	14-08
AD-278747	N63-16927	14-23
AD-281877	N63-16928	14-11
AD-282129	N63-16930	14-24
AD-282393	N63-15758	12-10
AD-282454	N63-16051	13-13
AD-282609	N63-15948	13-12
AD-282683	N63-17015	15-19
AD-282894	N63-16920	14-24
AD-283026	N63-16917	14-24
AD-283042	N63-16931	14-07
AD-283830	N63-16914	14-24
AD-284753	N63-17055	15-24
AD-285849	N63-16922	14-06
AD-286404	N63-16935	14-24
AD-286571	N63-16848	14-12
AD-286579	N63-16926	14-11
AD-286586	N63-16933	14-11
AD-288749	N63-17012	15-19
AD-290800	N63-16247	13-32
AD-291445	N63-16842	14-11
AD-291446	N63-16351	14-20
AD-291462	N63-16937	14-29
AD-291494	N63-16383	14-23
AD-291769	N63-16410	14-17
AD-291773	N63-16107	13-09
AD-291779	N63-16875	14-24
AD-292794	N63-16437	14-08
AD-292989	N63-17748	16-08
AD-294393	N63-16105	13-22
AD-294683	N63-17509	16-05
AD-295150	N63-17128	15-10
AD-295727	N63-16342	14-23
AD-296343	N63-21305	21-16
AD-297504	N63-17563	16-20
AD-298002	N63-23809	24-25
AD-306304	N63-16943	14-11
AD-408772	N63-23314	24-01
AD-410085	N63-22857	23-32
AD-449000	N63-23375	24-09
ADN-02-01-62.1	N63-18094	16-18
ADN-03-16-62.1	N63-18095	16-09
ADR-02-08-62.3	N63-18096	16-33
ADR-04-05-62.1	N63-18097	16-34
ADR-04-06-62.1	N63-17944	16-15
ADR-07-13-62.1	N63-18098	16-23
ADR-09-06B-62	N63-17943	16-17
AE-61-4-1	N63-16119	13-04
AE-62-0218-M	N63-12107	05-24
AE-87	N63-20212	20-13
AE-89	N63-19969	19-23
AE-96	N63-20240	20-07
AE-103	N63-17959	16-07
AE-175, ISSUE 2	N63-22466	23-11
AE62-0413	N63-16028	13-34
AE62-0794	N63-10069	01-12
AE62-0814	N63-13969	09-30
AE62-0862	N63-10668	02-28
AE63-0006	N63-11866	04-23
AEC-18	N63-13501	08-0
AEC-TR-3352	N63-13212	07-2
AEC-TR-3406	N63-12233	05-2
AEC-TR-4501	N63-10210	01-0
AEC-TR-4506	N63-18013	16-1
AEC-TR-4511	N63-10523	01-1
AEC-TR-5080	N63-10674	02-1
AEC-TR-5204	N63-15522	12-2
AEC-TR-5224	N63-11346	03-0
AEC-TR-5236	N63-11824	04-1
AEC-TR-5242	N63-12023	05-1
AEC-TR-5259	N63-11663	04-1
AEC-TR-5264	N63-10478	01-1
AEC-TR-5373	N63-11027	03-1
AEC-TR-5376	N63-11720	04-1
AEC-TR-5377	N63-10679	02-1
AEC-TR-5400	N63-11026	03-2
AEC-TR-5427	N63-11822	04-1
AEC-TR-5445	N63-11936	04-1
AEC-TR-5458	N63-12164	05-2
AEC-TR-5500	N63-15490	12-1
AEC-TR-5575	N63-14412	10-2
AEC-TR-5579	N63-15491	12-1
AEC-TR-5589, BK. 1	N63-19193	18-2
AEC-TR-5589, BK. 2	N63-19194	18-2
AEC-TR-5734	N63-21021	21-2
AECL-1710	N63-16597	14-1
AECL-1715	N63-17556	16-1
AECL-1724	N63-17810	16-1
AECL-1751	N63-20700	21-0
AECL-1778	N63-20280	20-2
AECL-1782	N63-23145	24-2
AECL-1799	N63-21377	22-2
AECL-1801	N63-22766	23-1
AECL-1809	N63-20735	21-1
AECL-1819	N63-22746	23-2
AED-1762	N63-22054	22-3
AEDC-TDR-62-40	N63-14313	10-0
AEDC-TDR-62-54	N63-21248	21-1
AEDC-TDR-62-61	N63-17686	16-2
AEDC-TDR-62-165	N63-10955	02-2
AEDC-TDR-62-191	N63-11775	04-1
AEDC-TDR-62-196	N63-11857	04-2
AEDC-TDR-62-201	N63-11606	04-1
AEDC-TDR-62-205	N63-10673	02-0
AEDC-TDR-62-208	N63-10671	02-1
AEDC-TDR-62-213	N63-10131	01-1
AEDC-TDR-62-218	N63-10132	01-1
AEDC-TDR-62-220	N63-11425	03-0
AEDC-TDR-62-221	N63-10754	02-1
AEDC-TDR-62-229	N63-15113	11-1
AEDC-TDR-62-230	N63-14262	10-1
AEDC-TDR-62-231	N63-13456	08-1
AEDC-TDR-62-233	N63-11209	03-1
AEDC-TDR-63-3	N63-12253	05-1
AEDC-TDR-63-5	N63-11973	05-2
AEDC-TDR-63-18	N63-11627	04-1
AEDC-TDR-63-19	N63-12465	06-0
AEDC-TDR-63-20	N63-12750	06-0
AEDC-TDR-63-21	N63-13036	07-1
AEDC-TDR-63-24	N63-14481	10-1
AEDC-TDR-63-28	N63-13656	08-1
AEDC-TDR-63-29	N63-13424	08-1
AEDC-TDR-63-30	N63-12254	05-1
AEDC-TDR-63-31	N63-13657	08-1
AEDC-TDR-63-35	N63-13658	08-1
AEDC-TDR-63-36	N63-13296	07-0
AEDC-TDR-63-37	N63-12723	06-1
AEDC-TDR-63-43	N63-13425	08-1
AEDC-TDR-63-46	N63-14780	11-1
AEDC-TDR-63-47	N63-14769	11-1
AEDC-TDR-63-49	N63-13796	09-2
AEDC-TDR-63-51	N63-16033	13-1
AEDC-TDR-63-57	N63-14003	09-1
AEDC-TDR-63-58	N63-14607	10-0
AEDC-TDR-63-59	N63-13923	09-2
AEDC-TDR-63-60	N63-13999	09-2
AEDC-TDR-63-67	N63-16299	13-1
AEDC-TDR-63-71	N63-14232	10-2
AEDC-TDR-63-72	N63-14857	11-1
AEDC-TDR-63-75	N63-16530	14-0
AEDC-TDR-63-82	N63-14314	10-1
AEDC-TDR-63-85	N63-20023	19-2
AEDC-TDR-63-88	N63-14722	11-1
AEDC-TDR-63-90	N63-16780	14-2
AEDC-TDR-63-91	N63-16793	14-2

AEDC-TDR-63-92	N63-16346	14-28
AEDC-TDR-63-93	N63-18257	17-13
AEDC-TDR-63-94	N63-15484	12-11
AEDC-TDR-63-102	N63-18742	17-13
AEDC-TDR-63-109	N63-19510	19-11
AEDC-TDR-63-113	N63-17068	15-15
AEDC-TDR-63-118	N63-18731	17-28
AEDC-TDR-63-120	N63-20109	20-11
AEDC-TDR-63-124	N63-19104	18-24
AEDC-TDR-63-127	N63-16547	14-11
AEDC-TDR-63-134	N63-18117	16-15
AEDC-TDR-63-135	N63-18749	17-02
AEDC-TDR-63-137	N63-19879	19-02
AEDC-TDR-63-138	N63-18855	18-11
AEDC-TDR-63-139	N63-19644	19-13
AEDC-TDR-63-142	N63-20734	21-10
AEDC-TDR-63-143	N63-17756	16-11
AEDC-TDR-63-146	N63-20657	20-24
AEDC-TDR-63-147	N63-18734	17-11
AEDC-TDR-63-148	N63-19025	18-15
AEDC-TDR-63-149	N63-19048	18-11
AEDC-TDR-63-154	N63-22954	23-17
AEDC-TDR-63-155	N63-20473	20-13
AEDC-TDR-63-161	N63-20997	21-13
AEDC-TDR-63-163	N63-20337	20-02
AEDC-TDR-63-166	N63-19014	18-17
AEDC-TDR-63-168	N63-20600	20-11
AEDC-TDR-63-170	N63-20590	20-11
AEDC-TDR-63-173	N63-20132	20-23
AEDC-TDR-63-174	N63-19424	19-11
AEDC-TDR-63-188	N63-22022	22-02
AEDC-TDR-63-190	N63-21928	22-11
AEDC-TDR-63-192	N63-22091	22-11
AEDC-TDR-63-195	N63-22613	23-11
AEDC-TDR-63-197	N63-23611	24-11
AEDC-TDR-63-199	N63-22955	23-11
AEDC-TDR-63-203	N63-22438	23-02
AEDC-TDR-63-207	N63-22956	23-11
AEDC-TDR-63-217	N63-22983	23-29
AEDC-TDR-63-224	N63-23666	24-02
AEDC-TDR-63-231	N63-23703	24-06
AEDC-TDR-63-239	N63-23502	24-23
AEET/AM/27	N63-16040	13-16
AEET-ANAL.-6	N63-16539	14-23
AEET/CD/10	N63-16509	14-24
AEET/CD/11	N63-16146	13-07
AEET/CD/13	N63-20954	21-25
AEET-CD-15	N63-23107	24-18
AEET-DC-14	N63-23147	24-07
AEET/NP/5	N63-12973	07-10
AEET-NP-6	N63-23089	24-23
AEET-TP-3	N63-23148	24-23
AEEW-R-131	N63-20673	20-23
AEEW-R-235, PT. III	N63-20058	20-25
AERE-M-599	N63-15466	12-19
AERE-M-963	N63-17381	15-10
AERE-M-983	N63-20122	20-09
AERE-R-3949	N63-16248	13-07
AERE-R-4137	N63-19552	19-28
AERE-R-4186	N63-20692	21-23
AERE-R-4218	N63-22851	23-23
AERE-TRANS-915	N63-23371	24-11
AEROCHEM-TP-45	N63-14807	11-23
AERODYNAMICS RES. REPT.-178	N63-16924	14-13
AERODYNAMICS RES. REPT.-183	N63-14827	11-02
AERODYNAMICS RES. REPT.-186	N63-16916	14-11
AERODYNAMICS RES. REPT.-189	N63-15176	11-11
AERODYNAMICS RES. REPT.-198	N63-18328	17-02
AERODYNAMICS RES. REPT.-201	N63-22188	23-11
AEROJET-2484, VOL. I	N63-20999	21-29
AEROJET-2484, VOL. II	N63-21000	21-12
AERONAUTICAL ENG. REPT.-446N	N63-14243	10-26
AERONAUTICAL ENG. REPT.-483D	N63-19847	19-13
AERONAUTICAL ENG. REPT.-595D	N63-22048	22-11
AERONAUTICAL ENG. REPT.-595F	N63-22047	22-11
AERONAUTICAL ENG. REPT.-595G	N63-21974	22-27
AERONAUTICAL ENG. REPT.-600	N63-11445	03-04
AERONAUTICAL ENG. REPT.-619	N63-12098	05-11
AERONAUTICAL ENG. REPT.-620	N63-11957	05-11
AERONAUTICAL ENG. REPT.-623	N63-11958	05-11
AERONAUTICAL ENG. REPT.-633	N63-11978	05-15
AERONAUTICAL ENG. REPT.-635A	N63-14098	09-26
AERONAUTICAL ENG. REPT.-645	N63-16272	13-11
AERONAUTICAL ENG. REPT.-647	N63-23558	24-27
AERONAUTICAL ENG. REPT.-651	N63-18228	17-13
AERONAUTICAL ENG. REPT.-653	N63-22231	23-04
AERONAUTICAL ENG. REPT.-658	N63-20709	21-24
AERONAUTICAL ENG. REPT.-661	N63-21713	22-26
AF-98	N63-10284	01-15
AF-99	N63-13422	08-25
AF-100	N63-13423	08-08
AF-101	N63-14339	10-23
AF-102	N63-14660	10-09
AF-103	N63-16514	14-08
AF-104	N63-16515	14-09
AF-105	N63-17609	16-25
AF SURVEYS IN GEOPHYSICS-141	N63-13957	09-12
AF SURVEYS IN GEOPHYSICS-151	N63-14004	09-12
AFBSD-TDR-62-144	N63-11959	05-11
AFBSD-TDR-63-100	N63-19911	19-11
AFCRC-TR-59-247	N63-14525	10-12
AFCRL-62-31	N63-15340	12-20
AFCRL-62-92	N63-10901	02-23
AFCRL-62-110	N63-10437	01-09
AFCRL-62-162	N63-10146	01-23
AFCRL-62-163	N63-20966	21-08
AFCRL-62-173	N63-14659	10-25
AFCRL-62-174	N63-14734	11-08
AFCRL-62-188	N63-21107	21-12
AFCRL-62-229	N63-14092	09-12
AFCRL-62-311	N63-12028	05-12
AFCRL-62-319	N63-15688	12-09
AFCRL-62-320	N63-10137	01-09
AFCRL-62-324	N63-12641	06-29
AFCRL-62-343	N63-11891	04-08
AFCRL-62-344	N63-11892	04-08
AFCRL-62-345	N63-11893	04-12
AFCRL-62-346	N63-11894	04-08
AFCRL-62-347	N63-11895	04-08
AFCRL-62-348	N63-11896	04-08
AFCRL-62-349	N63-12631	06-12
AFCRL-62-350	N63-11897	04-12
AFCRL-62-351	N63-11898	04-12
AFCRL-62-352	N63-11899	04-12
AFCRL-62-353	N63-11900	04-08
AFCRL-62-354	N63-11632	04-20
AFCRL-62-359	N63-10757	02-08
AFCRL-62-362	N63-11034	03-25
AFCRL-62-368	N63-10954	02-15
AFCRL-62-369	N63-16435	14-25
AFCRL-62-395	N63-10617	02-12
AFCRL-62-397	N63-10116	01-20
AFCRL-62-460/1/	N63-13926	09-12
AFCRL-62-469	N63-10212	01-21
AFCRL-62-494/II/	N63-13957	09-12
AFCRL-62-503	N63-11669	04-25
AFCRL-62-513	N63-10429	01-09
AFCRL-62-522	N63-15690	12-09
AFCRL-62-534	N63-15832	13-25
AFCRL-62-535	N63-14218	09-19
AFCRL-62-545	N63-21222	21-09
AFCRL-62-550	N63-10136	01-15
AFCRL-62-553	N63-14777	11-23
AFCRL-62-561	N63-17054	15-25
AFCRL-62-573	N63-15040	11-20
AFCRL-62-579	N63-11037	03-09
AFCRL-62-583	N63-15816	13-09
AFCRL-62-585	N63-10759	02-25
AFCRL-62-588	N63-10561	01-23
AFCRL-62-594	N63-21220	21-19
AFCRL-62-595	N63-11457	03-08
AFCRL-62-626	N63-14357	10-07
AFCRL-62-640	N63-17676	16-13
AFCRL-62-646	N63-11670	04-20
AFCRL-62-647	N63-11671	04-20
AFCRL-62-651	N63-10104	01-28
AFCRL-62-652	N63-10105	01-28
AFCRL-62-662	N63-11030	03-15
AFCRL-62-674	N63-10106	01-28
AFCRL-62-675	N63-10107	01-28
AFCRL-62-680, SUPPL. I	N63-18782	18-21

AFCRL-62-684	N63-13927	09-21
AFCRL-62-698	N63-11587	04-07
AFCRL-62-700	N63-14579	10-08
AFCRL-62-705	N63-23627	24-12
AFCRL-62-706	N63-23595	24-09
AFCRL-62-714	N63-11223	03-01
AFCRL-62-715	N63-13851	09-23
AFCRL-62-716	N63-11035	03-23
AFCRL-62-718	N63-14217	09-25
AFCRL-62-721	N63-13740	08-29
AFCRL-62-724	N63-13153	07-09
AFCRL-62-727	N63-13989	09-08
AFCRL-62-728	N63-11953	05-09
AFCRL-62-731	N63-14601	10-07
AFCRL-62-734	N63-10147	01-12
AFCRL-62-736	N63-13852	09-08
AFCRL-62-737	N63-13853	09-24
AFCRL-62-739	N63-11036	03-08
AFCRL-62-742	N63-10672	02-08
AFCRL-62-744	N63-10108	01-22
AFCRL-62-746	N63-10088	01-21
AFCRL-62-757	N63-13988	09-08
AFCRL-62-758	N63-10189	01-12
AFCRL-62-767	N63-10762	02-08
AFCRL-62-769	N63-11014	03-09
AFCRL-62-770	N63-10190	01-20
AFCRL-62-771	N63-11183	03-25
AFCRL-62-772	N63-10507	01-25
AFCRL-62-774/A/	N63-10432	01-25
AFCRL-62-774/B/	N63-10431	01-25
AFCRL-62-777	N63-14220	09-08
AFCRL-62-778	N63-11672	04-23
AFCRL-62-779	N63-14059	09-20
AFCRL-62-780	N63-17505	16-08
AFCRL-62-781	N63-13992	09-23
AFCRL-62-786	N63-14094	09-23
AFCRL-62-788	N63-11354	03-22
AFCRL-62-790	N63-13772	08-23
AFCRL-62-792	N63-11340	03-08
AFCRL-62-795	N63-13020	07-20
AFCRL-62-796	N63-12024	05-23
AFCRL-62-797	N63-11039	03-08
AFCRL-62-803	N63-14180	09-12
AFCRL-62-815	N63-14004	09-12
AFCRL-62-824	N63-17928	16-15
AFCRL-62-825	N63-18076	16-15
AFCRL-62-826	N63-11240	03-12
AFCRL-62-827	N63-10490	01-28
AFCRL-62-828	N63-10286	01-20
AFCRL-62-848	N63-13470	08-21
AFCRL-62-852	N63-11196	03-05
AFCRL-62-860	N63-15315	12-07
AFCRL-62-867	N63-12081	05-21
AFCRL-62-875	N63-11954	05-15
AFCRL-62-877	N63-11858	04-23
AFCRL-62-882	N63-10296	01-05
AFCRL-62-889	N63-13265	07-21
AFCRL-62-890	N63-14178	09-05
AFCRL-62-891	N63-14183	09-20
AFCRL-62-895	N63-22135	22-24
AFCRL-62-899	N63-14181	09-21
AFCRL-62-900	N63-10790	02-15
AFCRL-62-902	N63-10134	01-12
AFCRL-62-903	N63-10135	01-12
AFCRL-62-904	N63-11173	03-23
AFCRL-62-905	N63-10145	01-09
AFCRL-62-906	N63-11719	04-24
AFCRL-62-907	N63-19808	19-09
AFCRL-62-909	N63-19200	18-09
AFCRL-62-910	N63-13287	07-25
AFCRL-62-911	N63-12141	05-20
AFCRL-62-915	N63-12642	06-09
AFCRL-62-917/1/	N63-15161	11-25
AFCRL-62-917/II/	N63-15162	11-25
AFCRL-62-917/III/	N63-15163	11-25
AFCRL-62-917/IV/	N63-15164	11-25
AFCRL-62-918	N63-12678	06-09
AFCRL-62-921	N63-11335	03-08
AFCRL-62-923	N63-12986	07-09
AFCRL-62-924	N63-11711	04-07
AFCRL-62-927	N63-12185	05-09
AFCRL-62-929	N63-13700	08-25
AFCRL-62-932	N63-17748	16-08
AFCRL-62-933	N63-11803	04-15
AFCRL-62-935	N63-11784	04-25
AFCRL-62-937	N63-11859	04-12
AFCRL-62-939	N63-15671	12-09
AFCRL-62-944	N63-13210	07-25
AFCRL-62-945	N63-13632	08-23
AFCRL-62-946	N63-12413	06-20
AFCRL-62-949	N63-12643	06-
AFCRL-62-949/SUPPL./	N63-17083	15-
AFCRL-62-952	N63-12766	06-
AFCRL-62-953	N63-15433	12-
AFCRL-62-955	N63-12814	06-
AFCRL-62-957	N63-12783	06-
AFCRL-62-959	N63-12828	06-
AFCRL-62-964	N63-13227	07-
AFCRL-62-965	N63-12945	07-
AFCRL-62-968	N63-13642	08-
AFCRL-62-969	N63-13641	08-
AFCRL-62-970	N63-16478	14-
AFCRL-62-971	N63-12670	06-
AFCRL-62-973	N63-13150	07-
AFCRL-62-975	N63-17380	15-
AFCRL-62-976	N63-16599	14-
AFCRL-62-1001	N63-10069	01-
AFCRL-62-1008	N63-13088	07-
AFCRL-62-1010	N63-10117	01-
AFCRL-62-1012	N63-10607	02-
AFCRL-62-1013	N63-10609	02-
AFCRL-62-1016	N63-10214	01-
AFCRL-62-1018	N63-10191	01-
AFCRL-62-1019	N63-11710	04-
AFCRL-62-1021	N63-12290	05-
AFCRL-62-1022	N63-11167	03-
AFCRL-62-1023	N63-11598	04-
AFCRL-62-1024	N63-14182	09-
AFCRL-62-1031	N63-10118	01-
AFCRL-62-1033	N63-10295	01-
AFCRL-62-1041	N63-10874	02-
AFCRL-62-1042	N63-10563	01-
AFCRL-62-1044	N63-10119	01-
AFCRL-62-1045	N63-10120	01-
AFCRL-62-1046	N63-10121	01-
AFCRL-62-1047	N63-11709	04-
AFCRL-62-1049	N63-10122	01-
AFCRL-62-1051	N63-13226	07-
AFCRL-62-1053	N63-13687	08-
AFCRL-62-1054	N63-13688	08-
AFCRL-62-1059	N63-12146	05-
AFCRL-62-1061	N63-11355	03-
AFCRL-62-1062	N63-12122	05-
AFCRL-62-1063	N63-10938	02-
AFCRL-62-1064	N63-11860	04-
AFCRL-62-1065	N63-10123	01-
AFCRL-62-1066	N63-12120	05-
AFCRL-62-1068	N63-10941	02-
AFCRL-62-1069	N63-10942	02-
AFCRL-62-1070	N63-10562	01-
AFCRL-62-1071	N63-12298	05-
AFCRL-62-1073	N63-12469	06-
AFCRL-62-1074	N63-14246	10-
AFCRL-62-1077	N63-13710	08-
AFCRL-62-1078	N63-12470	06-
AFCRL-62-1079	N63-10937	02-
AFCRL-62-1082	N63-11437	03-
AFCRL-62-1085	N63-11012	03-
AFCRL-62-1086, REPT. 7	N63-11003	03-
AFCRL-62-1086	N63-11850	04-
AFCRL-62-1087	N63-11234	03-
AFCRL-62-1088	N63-12790	06-
AFCRL-62-1089	N63-12147	05-
AFCRL-62-1090	N63-15678	12-
AFCRL-62-1091	N63-12289	05-
AFCRL-62-1092	N63-11016	03-
AFCRL-62-1093	N63-11456	03-
AFCRL-62-1094	N63-11965	05-
AFCRL-62-1096	N63-11019	03-
AFCRL-62-1098	N63-14184	09-
AFCRL-62-1099	N63-11017	03-
AFCRL-62-1100	N63-11018	03-
AFCRL-62-1105	N63-13801	09-
AFCRL-62-1107	N63-13689	08-
AFCRL-62-1108	N63-14605	10-
AFCRL-62-1109	N63-20732	21-
AFCRL-62-1110	N63-14192	09-
AFCRL-62-1111	N63-14186	09-
AFCRL-62-1112	N63-14187	09-
AFCRL-62-1113	N63-19655	19-
AFCRL-62-1114	N63-14523	10-
AFCRL-62-1115	N63-11015	03-
AFCRL-62-1116	N63-12731	06-
AFCRL-62-1117	N63-12121	05-
AFCRL-62-1118	N63-11020	03-
AFCRL-62-1119	N63-11021	03-
AFCRL-62-1120	N63-12362	06-
AFCRL-62-1121	N63-12789	06-
AFCRL-62-1122	N63-17573	16-
AFCRL-62-1127	N63-11600	04-

AFCRL-62-1128	N63-12759	06-12
AFCRL-62-1131	N63-15439	12-25
AFCRL-62-1132	N63-14592	10-20
AFCRL-62-1134	N63-12148	05-12
AFCRL-62-1135	N63-18683	17-21
AFCRL-62-1136	N63-17566	16-12
AFCRL-62-1137	N63-12741	06-20
AFCRL-62-1138	N63-11692	04-12
AFCRL-62-1139	N63-11693	04-12
AFCRL-62-1140	N63-11694	04-08
AFCRL-63-1	N63-15067	11-25
AFCRL-63-2	N63-14219	09-09
AFCRL-63-3	N63-14839	11-18
AFCRL-63-4	N63-14858	11-08
AFCRL-63-5	N63-14310	10-09
AFCRL-63-6	N63-13816	09-20
AFCRL-63-7	N63-13427	08-23
AFCRL-63-11	N63-12606	06-09
AFCRL-63-12	N63-15104	11-25
AFCRL-63-13	N63-14553	10-09
AFCRL-63-14	N63-13928	09-08
AFCRL-63-15	N63-14332	10-25
AFCRL-63-16	N63-15045	11-23
AFCRL-63-17	N63-15105	11-24
AFCRL-63-18	N63-14499	10-23
AFCRL-63-20/A/	N63-12676	06-09
AFCRL-63-20/B/	N63-12677	06-09
AFCRL-63-20L	N63-14064	09-30
AFCRL-63-21	N63-14533	10-09
AFCRL-63-22	N63-13818	09-21
AFCRL-63-22/X	N63-16976	14-07
AFCRL-63-23	N63-14199	09-08
AFCRL-63-25	N63-15676	12-24
AFCRL-63-27	N63-14536	10-23
AFCRL-63-28	N63-15363	12-20
AFCRL-63-29	N63-18269	17-08
AFCRL-63-31	N63-13643	08-24
AFCRL-63-35	N63-16798	14-23
AFCRL-63-36	N63-16598	14-18
AFCRL-63-37	N63-21298	21-09
AFCRL-63-38	N63-13978	09-20
AFCRL-63-39	N63-13610	08-20
AFCRL-63-40	N63-15106	11-08
AFCRL-63-41	N63-15672	12-24
AFCRL-63-44	N63-13694	08-08
AFCRL-63-46	N63-16485	14-08
AFCRL-63-52	N63-14447	10-12
AFCRL-63-54	N63-15861	13-08
AFCRL-63-56	N63-15107	11-32
AFCRL-63-57	N63-15659	12-25
AFCRL-63-59	N63-16866	14-09
AFCRL-63-60	N63-17589	16-08
AFCRL-63-61	N63-14996	11-09
AFCRL-63-62	N63-14869	11-25
AFCRL-63-64	N63-16438	14-34
AFCRL-63-65	N63-17608	16-25
AFCRL-63-67	N63-15480	12-09
AFCRL-63-68	N63-18204	16-09
AFCRL-63-69	N63-14835	11-18
AFCRL-63-70	N63-16389	14-09
AFCRL-63-71	N63-16242	13-21
AFCRL-63-72	N63-16395	14-20
AFCRL-63-73	N63-16475	14-10
AFCRL-63-74	N63-17495	16-25
AFCRL-63-75	N63-14646	10-07
AFCRL-63-78	N63-17506	16-17
AFCRL-63-80	N63-14819	11-23
AFCRL-63-81	N63-16310	13-24
AFCRL-63-82	N63-15685	12-24
AFCRL-63-83	N63-14820	11-22
AFCRL-63-84	N63-16867	14-09
AFCRL-63-85	N63-16463	14-09
AFCRL-63-86	N63-15792	13-25
AFCRL-63-87	N63-15967	13-08
AFCRL-63-89	N63-15364	12-20
AFCRL-63-90	N63-18007	16-08
AFCRL-63-91	N63-16150	13-09
AFCRL-63-92	N63-16698	14-23
AFCRL-63-93	N63-16281	13-09
AFCRL-63-95	N63-17629	16-20
AFCRL-63-96	N63-16271	13-24
AFCRL-63-97	N63-16739	14-07
AFCRL-63-98	N63-21404	22-20
AFCRL-63-101	N63-16371	14-08
AFCRL-63-102	N63-16340	13-15
AFCRL-63-103	N63-16309	13-23
AFCRL-63-104	N63-16457	14-24
AFCRL-63-105	N63-17630	16-20
AFCRL-63-106	N63-18008	16-08
AFCRL-63-107	N63-18005	16-08
AFCRL-63-108	N63-18006	16-09
AFCRL-63-109	N63-23110	24-08
AFCRL-63-112	N63-18426	17-20
AFCRL-63-113	N63-17388	15-25
AFCRL-63-115	N63-16686	14-23
AFCRL-63-116	N63-18910	18-23
AFCRL-63-118	N63-16725	14-23
AFCRL-63-119	N63-17644	16-08
AFCRL-63-120/A/	N63-18913	18-25
AFCRL-63-120/B/	N63-18911	18-25
AFCRL-63-121	N63-17080	15-24
AFCRL-63-122	N63-18274	17-20
AFCRL-63-123	N63-17474	15-24
AFCRL-63-124	N63-17623	16-25
AFCRL-63-125	N63-17688	16-20
AFCRL-63-126	N63-16511	14-11
AFCRL-63-127	N63-17685	16-11
AFCRL-63-128	N63-20373	20-23
AFCRL-63-129	N63-16932	14-09
AFCRL-63-130	N63-18171	16-20
AFCRL-63-131	N63-17582	16-23
AFCRL-63-132	N63-17507	16-20
AFCRL-63-136	N63-19814	19-08
AFCRL-63-137	N63-18357	17-02
AFCRL-63-138	N63-17487	16-09
AFCRL-63-139	N63-22984	23-09
AFCRL-63-140	N63-19429	19-09
AFCRL-63-141	N63-18632	17-14
AFCRL-63-145	N63-18784	18-25
AFCRL-63-147	N63-19898	19-25
AFCRL-63-148	N63-20802	21-20
AFCRL-63-150	N63-18893	18-23
AFCRL-63-151	N63-21052	21-23
AFCRL-63-152	N63-19006	18-09
AFCRL-63-153	N63-20592	20-07
AFCRL-63-155	N63-19422	19-24
AFCRL-63-156	N63-22957	23-09
AFCRL-63-157	N63-19165	18-09
AFCRL-63-159	N63-19806	19-08
AFCRL-63-160	N63-19525	19-07
AFCRL-63-161	N63-20335	20-24
AFCRL-63-162	N63-19055	18-09
AFCRL-63-163	N63-19669	19-20
AFCRL-63-164	N63-19524	19-14
AFCRL-63-166	N63-19710	19-23
AFCRL-63-167	N63-19549	19-23
AFCRL-63-168	N63-19711	19-23
AFCRL-63-169	N63-19546	19-24
AFCRL-63-170	N63-19769	19-09
AFCRL-63-171	N63-20940	21-25
AFCRL-63-172	N63-19360	18-07
AFCRL-63-177	N63-21394	22-12
AFCRL-63-178	N63-19880	19-25
AFCRL-63-181	N63-19508	19-20
AFCRL-63-184	N63-20419	20-12
AFCRL-63-185	N63-20409	20-09
AFCRL-63-186	N63-19793	19-09
AFCRL-63-187	N63-20836	21-08
AFCRL-63-188	N63-20437	20-20
AFCRL-63-190	N63-20499	20-08
AFCRL-63-192	N63-19411	19-01
AFCRL-63-194	N63-19757	19-09
AFCRL-63-195	N63-22384	23-24
AFCRL-63-196	N63-20502	20-13
AFCRL-63-197	N63-18781	18-12
AFCRL-63-198	N63-19477	19-12
AFCRL-63-200	N63-14317	10-05
AFCRL-63-201	N63-14606	10-12
AFCRL-63-202	N63-17195	15-10
AFCRL-63-203	N63-15663	12-15
AFCRL-63-205	N63-14551	10-28
AFCRL-63-207	N63-14173	09-12
AFCRL-63-208	N63-13329	08-12
AFCRL-63-209	N63-13286	07-12
AFCRL-63-212	N63-13049	07-12
AFCRL-63-213	N63-12795	06-28
AFCRL-63-214	N63-13271	07-28
AFCRL-63-215	N63-13304	07-12
AFCRL-63-216	N63-13726	08-09
AFCRL-63-219	N63-12732	06-12
AFCRL-63-221	N63-14238	10-08
AFCRL-63-223	N63-13560	08-21
AFCRL-63-224	N63-15217	11-05
AFCRL-63-225	N63-14240	10-23
AFCRL-63-226	N63-13682	08-25
AFCRL-63-227	N63-13683	08-23
AFCRL-63-231	N63-13667	08-23
AFCRL-63-233	N63-13684	08-23
AFCRL-63-234	N63-15282	12-15
AFCRL-63-235	N63-15178	11-21

AFCRL-63-236	N63-21436	22-13
AFCRL-63-237	N63-13685	08-21
AFCRL-63-238	N63-15536	12-11
AFCRL-63-239	N63-13711	08-12
AFCRL-63-241	N63-14654	10-21
AFCRL-63-242	N63-13662	08-28
AFCRL-63-244	N63-16397	14-21
AFCRL-63-245	N63-17423	15-12
AFCRL-63-246	N63-13523	08-26
AFCRL-63-247	N63-14399	10-13
AFCRL-63-249	N63-16464	14-15
AFCRL-63-250	N63-17694	16-21
AFCRL-63-252	N63-13932	09-12
AFCRL-63-252/X	N63-19317	18-24
AFCRL-63-254	N63-15361	12-15
AFCRL-63-256	N63-14244	10-12
AFCRL-63-257	N63-14091	09-21
AFCRL-63-258	N63-16479	14-23
AFCRL-63-259	N63-16131	13-24
AFCRL-63-260	N63-14090	09-07
AFCRL-63-261	N63-13686	08-12
AFCRL-63-262	N63-15782	13-23
AFCRL-63-282	N63-14241	10-20
AFCRL-63-283	N63-16132	13-23
AFCRL-63-284	N63-16041	13-21
AFCRL-63-285	N63-15724	12-12
AFCRL-63-288, VOL. I	N63-14359	10-25
AFCRL-63-288, VOL. II	N63-14360	10-25
AFCRL-63-289	N63-14174	09-12
AFCRL-63-290	N63-14978	11-15
AFCRL-63-291	N63-14300	10-08
AFCRL-63-294	N63-16829	14-12
AFCRL-63-296	N63-17633	16-12
AFCRL-63-297	N63-14362	10-20
AFCRL-63-298	N63-14363	10-20
AFCRL-63-299	N63-16359	14-21
AFCRL-63-300	N63-22192	23-08
AFCRL-63-301	N63-22230	23-08
AFCRL-63-303	N63-21421	22-19
AFCRL-63-305	N63-21260	21-23
AFCRL-63-307	N63-22046	22-09
AFCRL-63-308	N63-22833	23-19
AFCRL-63-309	N63-21463	22-19
AFCRL-63-311	N63-20458	20-09
AFCRL-63-312	N63-19975	19-25
AFCRL-63-314	N63-20412	20-25
AFCRL-63-315	N63-23578	24-09
AFCRL-63-316, PT. 2	N63-22191	23-08
AFCRL-63-317	N63-20717	21-09
AFCRL-63-320	N63-22041	22-09
AFCRL-63-321	N63-23375	24-09
AFCRL-63-322	N63-23059	24-11
AFCRL-63-323/4A/	N63-21321	21-25
AFCRL-63-323/4B/	N63-21320	21-25
AFCRL-63-325	N63-20777	21-23
AFCRL-63-326	N63-20505	20-25
AFCRL-63-329	N63-22676	23-09
AFCRL-63-330	N63-21472	22-08
AFCRL-63-331	N63-22360	23-09
AFCRL-63-332	N63-23701	24-08
AFCRL-63-336	N63-22081	22-09
AFCRL-63-340	N63-22556	23-20
AFCRL-63-344	N63-22920	23-08
AFCRL-63-349	N63-22958	23-09
AFCRL-63-353	N63-21800	22-09
AFCRL-63-354	N63-22654	23-11
AFCRL-63-356	N63-22508	23-28
AFCRL-63-358	N63-22734	23-23
AFCRL-63-359	N63-22228	23-08
AFCRL-63-360	N63-21669	22-25
AFCRL-63-361	N63-22122	22-25
AFCRL-63-362	N63-21683	22-12
AFCRL-63-363	N63-23179	24-25
AFCRL-63-365	N63-21671	22-06
AFCRL-63-370	N63-23804	24-08
AFCRL-63-372	N63-22199	23-18
AFCRL-63-378	N63-23347	24-09
AFCRL-63-382	N63-23405	24-09
AFCRL-63-383	N63-23581	24-08
AFCRL-63-384	N63-23366	24-12
AFCRL-63-400	N63-16454	14-21
AFCRL-63-401	N63-15890	13-28
AFCRL-63-404	N63-14542	10-12
AFCRL-63-404, PT. I&II	N63-14540	10-12
AFCRL-63-405	N63-14448	10-15
AFCRL-63-406	N63-15223	11-29
AFCRL-63-407	N63-14435	10-15
AFCRL-63-413	N63-17752	16-21
AFCRL-63-415	N63-17422	15-15
AFCRL-63-426	N63-15952	13-07
AFCRL-63-429	N63-15394	12-1
AFCRL-63-430	N63-14771	11-2
AFCRL-63-433	N63-17439	15-1
AFCRL-63-434	N63-18153	16-2
AFCRL-63-435	N63-17783	16-3
AFCRL-63-436	N63-16952	14-2
AFCRL-63-437	N63-18808	18-2
AFCRL-63-439	N63-18824	18-2
AFCRL-63-440	N63-18018	16-1
AFCRL-63-443	N63-16380	14-2
AFCRL-63-444	N63-16738	14-0
AFCRL-63-446	N63-15741	12-2
AFCRL-63-447	N63-15492	12-0
AFCRL-63-449	N63-19628	19-2
AFCRL-63-450	N63-17082	15-1
AFCRL-63-451	N63-16735	14-1
AFCRL-63-452	N63-16736	14-0
AFCRL-63-453	N63-17085	15-0
AFCRL-63-454	N63-15826	13-2
AFCRL-63-455	N63-19930	19-0
AFCRL-63-456	N63-16977	14-0
AFCRL-63-457	N63-16280	13-2
AFCRL-63-458	N63-18278	17-0
AFCRL-63-459	N63-16513	14-2
AFCRL-63-463	N63-16347	14-2
AFCRL-63-464	N63-19191	18-0
AFCRL-63-466	N63-16417	14-1
AFCRL-63-467	N63-16133	13-2
AFCRL-63-469	N63-19544	19-1
AFCRL-63-470	N63-19780	19-2
AFCRL-63-475	N63-17132	15-1
AFCRL-63-479	N63-18270	17-1
AFCRL-63-481	N63-17073	15-2
AFCRL-63-482	N63-20753	21-1
AFCRL-63-483	N63-18310	17-1
AFCRL-63-484	N63-17074	15-1
AFCRL-63-485	N63-19720	19-1
AFCRL-63-488	N63-17437	15-1
AFCRL-63-489	N63-22765	23-0
AFCRL-63-491	N63-16729	14-2
AFCRL-63-493	N63-19839	19-2
AFCRL-63-495	N63-18799	18-1
AFCRL-63-496	N63-17574	16-2
AFCRL-63-497	N63-21209	21-2
AFCRL-63-498	N63-16585	14-1
AFCRL-63-501	N63-23121	24-0
AFCRL-63-602	N63-22763	23-1
AFCRL-63-604	N63-16458	14-1
AFCRL-63-605	N63-18681	17-1
AFCRL-63-606	N63-17905	16-0
AFCRL-63-607	N63-19159	18-2
AFCRL-63-608	N63-17976	16-0
AFCRL-63-609	N63-18830	18-1
AFCRL-63-610	N63-17615	16-0
AFCRL-63-612	N63-20621	20-1
AFCRL-63-615	N63-22365	23-1
AFCRL-63-616	N63-20763	21-1
AFCRL-63-617	N63-18726	17-1
AFCRL-63-619	N63-19550	19-1
AFCRL-63-623	N63-17998	16-2
AFCRL-63-624	N63-20748	21-1
AFCRL-63-625	N63-19108	18-0
AFCRL-63-628	N63-19554	19-2
AFCRL-63-629	N63-19128	18-2
AFCRL-63-631	N63-19377	18-2
AFCRL-63-632	N63-19410	19-1
AFCRL-63-635	N63-17720	16-1
AFCRL-63-637	N63-20677	20-0
AFCRL-63-639	N63-17541	16-1
AFCRL-63-640	N63-21159	21-2
AFCRL-63-642	N63-17901	16-2
AFCRL-63-648	N63-17540	16-0
AFCRL-63-649	N63-17588	16-2
AFCRL-63-650	N63-21202	21-1
AFCRL-63-653	N63-19589	19-1
AFCRL-63-654	N63-17622	16-1
AFCRL-63-655	N63-17984	16-3
AFCRL-63-656	N63-20622	20-1
AFCRL-63-657	N63-20457	20-2
AFCRL-63-658	N63-20679	20-2
AFCRL-63-659	N63-17597	16-1
AFCRL-63-662	N63-20783	21-1
AFCRL-63-664	N63-20718	21-1
AFCRL-63-665	N63-20241	20-1
AFCRL-63-666	N63-19875	19-0
AFCRL-63-667	N63-19909	19-2
AFCRL-63-668	N63-20064	20-2
AFCRL-63-670	N63-20626	20-2
AFCRL-63-671	N63-20477	20-2
AFCRL-63-672	N63-19232	18-1

AFCRL-63-674	N63-20578	20-24
AFCRL-63-675	N63-23756	24-23
AFCRL-63-677	N63-22190	23-08
AFCRL-63-678	N63-23346	24-21
AFCRL-63-680	N63-21474	22-12
AFCRL-63-681	N63-19708	19-28
AFCRL-63-682	N63-19649	19-23
AFCRL-63-683	N63-22799	23-12
AFCRL-63-684	N63-20676	20-08
AFCRL-63-685	N63-22468	23-12
AFCRL-63-686	N63-20660	20-28
AFCRL-63-687	N63-19403	19-15
AFCRL-63-689	N63-20778	21-12
AFCRL-63-690	N63-19728	19-21
AFCRL-63-692	N63-22678	23-09
AFCRL-63-694	N63-22441	23-21
AFCRL-63-695	N63-20678	20-24
AFCRL-63-696	N63-20137	20-21
AFCRL-63-697	N63-22800	23-23
AFCRL-63-698	N63-21654	22-23
AFCRL-63-702	N63-23092	24-12
AFCRL-63-714	N63-23093	24-12
AFCRL-63-723	N63-22985	23-24
AFCRL-63-726	N63-22921	23-08
AFCRL-63-731	N63-22986	23-23
AFCRL-63-732	N63-23711	24-21
AFCRL-63-733	N63-23120	24-05
AFCRL-63-744	N63-23814	24-29
AFCRL-63-800	N63-23644	24-07
AFCRL-63-801	N63-18977	18-21
AFCRL-63-802	N63-18981	18-21
AFCRL-63-803	N63-21019	21-22
AFCRL-63-804	N63-19138	18-32
AFCRL-63-805	N63-22798	23-12
AFCRL-63-807	N63-22677	23-24
AFCRL-63-808	N63-22298	23-09
AFCRL-63-809	N63-19848	19-15
AFCRL-63-812	N63-23757	24-23
AFCRL-63-813	N63-21708	22-11
AFCRL-63-814	N63-21923	22-08
AFCRL-63-815	N63-20719	21-25
AFCRL-63-817	N63-20840	21-12
AFCRL-63-820	N63-20688	20-12
AFCRL-63-821/1/	N63-21719	22-22
AFCRL-63-822	N63-19974	19-23
AFCRL-63-823	N63-19397	18-20
AFCRL-63-824	N63-19576	19-05
AFCRL-63-825	N63-21652	22-12
AFCRL-63-826	N63-19718	19-21
AFCRL-63-829	N63-20834	21-29
AFCRL-63-830	N63-20675	20-24
AFCRL-63-832	N63-19719	19-15
AFCRL-63-834	N63-21170	21-12
AFCRL-63-835	N63-21039	21-12
AFCRL-63-836	N63-22469	23-21
AFCRL-63-838	N63-20687	20-12
AFCRL-63-839	N63-21322	21-16
AFCRL-63-840	N63-23356	24-21
AFCRL-63-841	N63-23168	24-04
AFCRL-63-842	N63-22724	23-15
AFCRL-63-844	N63-22092	22-12
AFCRL-63-845	N63-21555	22-12
AFCRL-63-848	N63-22464	23-12
AFCRL-63-849	N63-23750	24-07
AFCRL-63-850	N63-23087	24-12
AFCRL-63-851	N63-22898	23-24
AFCRL-63-852	N63-20913	21-20
AFCRL-63-854	N63-20976	21-12
AFCRL-63-855	N63-20925	21-28
AFCRL-63-856	N63-20918	21-09
AFCRL-63-857	N63-22385	23-19
AFCRL-63-858	N63-22386	23-07
AFCRL-63-859	N63-22387	23-19
AFCRL-63-861	N63-22475	23-12
AFCRL-63-864	N63-20776	21-05
AFCRL-63-867	N63-22244	23-23
AFCRL-63-868	N63-21614	22-21
AFCRL-63-872	N63-23113	24-12
AFCRL-63-873	N63-21235	21-12
AFCRL-63-876	N63-23301	24-01
AFCRL-63-877	N63-22812	23-23
AFCRL-63-879	N63-23417	24-22
AFCRL-63-881	N63-21982	22-28
AFCRL-63-882	N63-21038	21-11
AFCRL-63-883	N63-22506	23-23
AFCRL-63-884	N63-22025	22-07
AFCRL-63-885	N63-22899	23-04
AFCRL-63-886	N63-22801	23-12
AFCRL-63-887	N63-23667	24-15
AFCRL-63-890	N63-22987	23-23
AFCRL-63-892	N63-21670	22-25
AFCRL-63-894	N63-22802	23-12
AFCRL-63-895	N63-22803	23-29
AFCRL-63-987	N63-22641	23-12
AFCRL-255	N63-11587	04-07
AFCRL-412	N63-11587	04-07
AFCRL-472 /IV/	N63-14179	09-28
AFCRL-490	N63-20835	21-29
AFCRL-1114	N63-11041	03-09
AFCRL-TDR-63-243	N63-16265	13-21
AFCRL-TDR-63-492	N63-19934	19-06
AFCRL-TN-60-674	N63-11587	04-07
AFESD-TDR-62-116	N63-15973	13-08
AFESD-TDR-62-117	N63-15074	11-30
AFESD-TDR-62-249	N63-16875	14-24
AFFTC-TR-60-43, VOL. III	N63-14676	10-34
AFFTC-TR-60-43, VOL. IV	N63-17606	16-34
AFOSR-59	N63-16890	14-13
AFOSR-62-120	N63-20784	21-23
AFOSR-418	N63-12468	06-28
AFOSR-420	N63-13115	07-12
AFOSR-904	N63-15498	12-33
AFOSR-951	N63-13547	08-25
AFOSR-1310	N63-10418	01-33
AFOSR-2251	N63-15413	12-25
AFOSR-2406	N63-11634	04-09
AFOSR-2417	N63-11633	04-09
AFOSR-2429	N63-17558	16-24
AFOSR-2430	N63-22413	23-24
AFOSR-2443	N63-13165	07-20
AFOSR-2552	N63-11429	03-11
AFOSR-2648	N63-16068	13-25
AFOSR-2661	N63-13140	07-23
AFOSR-2663	N63-16112	13-25
AFOSR-2727	N63-11567	04-20
AFOSR-2759	N63-16328	13-23
AFOSR-2770	N63-10675	02-09
AFOSR-2981	N63-15090	11-11
AFOSR-3203	N63-16923	14-11
AFOSR-3207	N63-16550	14-13
AFOSR-4490	N63-14954	11-20
AFOSR-4662	N63-17535	16-11
AFOSR-4853	N63-23063	24-24
AFOSR-4854	N63-21801	22-11
AFOSR-4906	N63-21710	22-13
AFOSR-5326	N63-23183	24-11
AFOSR/DRA-62-14	N63-18099	16-31
AFOSR/DRA-62-18	N63-10666	02-02
AFOSR/DRA-62-19	N63-11861	04-02
AFOSR/DRA-62-21	N63-11862	04-20
AFOSR/DRA-62-22	N63-11489	03-28
AFOSR-TN-57-113	N63-16892	14-11
AFOSR-TN-58-255	N63-16891	14-13
AFOSR-TN-59-328	N63-21374	22-13
AFOSR-TN-59-350	N63-16943	14-11
AFOSR-TN-59-1167	N63-19999	19-13
AFOSR-TN-60-1227, PT. II	N63-15900	13-11
AFOSR-TN-2256	N63-10417	01-33
AFOSR-TN-2566	N63-11635	04-23
AFOSR-TN-2640	N63-11636	04-23
AFOSR-TN-2941	N63-11637	04-23
AFOSR-TN-3430	N63-10636	02-23
AFSC-TR-7-926/1/	N63-11042	03-17
AFSWC-TDR-61-76	N63-14773	11-15
AFSWC-TDR-62-12	N63-17019	15-07
AFSWC-TDR-62-25	N63-11315	03-15
AFSWC-TDR-62-29	N63-21217	21-23
AFSWC-TDR-62-83	N63-16327	13-30
AFSWC-TDR-62-91	N63-23585	24-33
AFSWC-TDR-62-105	N63-18796	18-28
AFSWC-TDR-62-106	N63-10430	01-20
AFSWC-TDR-62-117	N63-10670	02-17
AFSWC-TDR-62-123	N63-16276	13-20
AFSWC-TDR-62-134	N63-13522	08-33
AFSWC-TDR-63-3	N63-15567	12-15
AFSWC-TDR-63-11	N63-16896	14-29
AFSWC-TDR-63-12	N63-18686	17-11
AFSWC-TDR-63-14	N63-17497	16-06
AFSWC-TDR-63-21	N63-16897	14-04
AFSWC-TDR-63-35	N63-19891	19-24
AFSWC-TDR-63-45	N63-20821	21-33

AFSWC-TDR-63-48	N63-20667	20-33
AGARD-132-147	N63-15528	12-11
AGARD 163-177	N63-15670	12-01
AGARD-211	N63-21549	22-13
AGARD-275	N63-11838	04-03
AGARD-398	N63-18720	17-02
AGARD-399	N63-17764	16-11
AGARD-402	N63-19110	18-04
AGARD-403	N63-18840	18-04
AGARD-404	N63-19500	19-15
AGARD-405	N63-19111	18-15
AGARD-406	N63-19036	18-20
AGARD-408	N63-13660	08-04
AGARD-410	N63-18723	17-33
AGARDOGRAPH-44	N63-17770	16-20
AGARDOGRAPH-60	N63-12685	06-14
AGARDOGRAPH-64	N63-13508	08-02
AGARDOGRAPH-66, AMENDED	N63-17668	16-10
AGARDOGRAPH-67	N63-16456	14-04
AGARDOGRAPH-73	N63-23200	24-14
AGN-AN-756	N63-13706	08-07
AGN-AN-759	N63-13757	08-27
AGN-AN-1013	N63-20643	20-26
AGN-TM-399	N63-12602	06-23
AGN-TM-400	N63-14723	11-06
AGN-TM-401	N63-13305	07-18
AGN-TM-404	N63-23742	24-23
AHT-5	N63-10995	02-13
AI-7950	N63-12311	05-06
AI-8058	N63-12299	05-15
AI-8672	N63-21816	22-26
AIAA 63-345	N63-20133	20-29
AIAA 63-399	N63-20134	20-09
AIAA 63-412	N63-20135	20-29
AIAA PAPER-63-88	N63-22034	22-31
AIAA PAPER-63-005	N63-20342	20-27
AIAA PAPER-63-131	N63-18836	18-01
AIAA PAPER-63-132	N63-19037	18-32
AIAA PAPER-63-135	N63-19059	18-32
AIAA PAPER-63-138	N63-18341	17-30
AIAA PAPER-63-143	N63-19015	18-16
AIAA PAPER-63-150	N63-19473	19-29
AIAA PAPER-63-151	N63-23091	24-22
AIAA PAPER-63-174	N63-17802	16-02
AIAA PAPER-63-176	N63-17922	16-30
AIAA PAPER-63-179	N63-17925	16-13
AIAA PAPER-63-187	N63-18214	17-15
AIAA PAPER-63-202	N63-17919	16-24
AIAA PAPER-63-211	N63-18215	17-15
AIAA PAPER-63-217	N63-17805	16-06
AIAA PAPER-63-221	N63-17799	16-20
AIAA PAPER-63-222	N63-17924	16-22
AIAA PAPER-63-227	N63-17921	16-27
AIAA PAPER-63-237	N63-17920	16-30
AIAA PAPER-63-238	N63-18342	17-26
AIAA PAPER-63-241	N63-17800	16-13
AIAA PAPER-63-243	N63-17923	16-06
AIAA PAPER-63-247	N63-18216	17-31
AIAA PAPER-63-253	N63-17798	16-05
AIAA PAPER-63-254	N63-18343	17-05
AIAA PAPER-63-255	N63-17806	16-29
AIAA PAPER-63-256	N63-17801	16-31
AIAA PAPER-63-260	N63-17804	16-30
AIAA PAPER-63-264	N63-20938	21-32
AIAA PAPER-63-267	N63-17803	16-29
AIAA PAPER-63-271	N63-17808	16-30
AIAA PAPER 63-273	N63-21122	21-27
AIAA PAPER-63-274	N63-17807	16-27
AIAA PAPER-63-277	N63-21736	22-31
AIAA PAPER-63-284	N63-17795	16-33
AIAA PAPER-63-285	N63-17812	16-01
AIAA PAPER-63-286	N63-17813	16-27
AIAA PAPER 63-318	N63-21316	21-30
AIAA PAPER-63-327	N63-20756	21-32
AIAA PAPER-63-333	N63-20757	21-29
AIAA PAPER-63-334	N63-20491	20-29
AIAA PAPER-63-343	N63-20758	21-22
AIAA PAPER-63-344	N63-20492	20-29
AIAA PAPER-63-348	N63-20478	20-08
AIAA PAPER 63-350	N63-20319	20-32
AIAA PAPER-63-351	N63-20493	20-08
AIAA PAPER 63-352	N63-20759	21-31
AIAA PAPER-63-353	N63-20031	19-2
AIAA PAPER-63-361	N63-18795	18-2
AIAA PAPER-63-380	N63-20644	20-1
AIAA PAPER 63-387	N63-23400	24-3
AIAA PAPER-63-390	N63-20760	21-2
AIAA PAPER-63-391	N63-23065	24-2
AIAA PAPER-63-400	N63-20494	20-3
AIAA PAPER-63-404	N63-20495	20-3
AIAA PAPER-63-408	N63-20761	21-2
AIAA PAPER-63-409	N63-20496	20-3
AIAA PAPER 63-410	N63-20320	20-2
AIAA PAPER 63-411	N63-21996	22-3
AIAA PAPER-63-414	N63-20497	20-2
AIAA PAPER-63-415	N63-20762	21-2
AIAA PAPER-63-417	N63-20321	20-2
AIAA PAPER 63-420	N63-20317	20-2
AIAA PAPER-63-424	N63-20498	20-3
AIAA PAPER 63-439	N63-21164	21-1
AIAA PAPER 63-450	N63-23185	24-1
AIAA PAPER-63-455	N63-20136	20-2
AIAA PAPER-63-460	N63-20635	20-2
AIAA PAPER 63-463	N63-20797	21-2
AIAA PAPER 63-465	N63-20322	20-1
AIAA PAPER 63-475	N63-23749	24-2
AIAA PAPER-2901-63	N63-22035	22-3
AIAA PAPER-63029-63	N63-20434	20-2
AIAA PAPER-63033	N63-20723	21-0
AIAA PAPER-63034-63	N63-20343	20-2
AIAA PAPER-63035	N63-21167	21-0
AIAA-PAPER-63055	N63-20344	20-2
AIAA PAPER-63059-63	N63-22037	22-2
AIAA-PAPER-63073	N63-20270	20-3
AIAA PAPER-63087	N63-22036	22-0
AIAA PAPER-63423	N63-21331	21-2
AICHE-PAPER-57	N63-20476	20-0
AID-62-77	N63-17012	15-1
AID-62-89	N63-11673	04-1
AID-62-126	N63-19294	18-1
AID-62-166	N63-10275	01-1
AID-62-175	N63-10276	01-1
AID-62-176	N63-10277	01-2
AID-62-179	N63-10408	01-2
AID-62-181	N63-10278	01-3
AID-62-184	N63-10279	01-1
AID-62-191	N63-23523	24-3
AID-62-194	N63-21688	22-1
AID-62-200	N63-11834	04-1
AID-62-201	N63-11835	04-1
AID-62-202	N63-11836	04-1
AID-62-203	N63-11344	03-2
AID-62-204	N63-11837	04-1
AID-62-205	N63-11732	04-1
AID-996	N63-18217	17-1
AID-B-63-84	N63-17396	15-2
AID-B-63-93	N63-19084	18-2
AID-B-63-99	N63-19311	18-0
AID-B-63-100	N63-19354	18-2
AID-B-63-101	N63-20205	20-2
AID-B-63-114	N63-22889	23-0
AID-P-63-42	N63-23506	24-1
AID-P-63-79	N63-17716	16-1
AID-P-63-85	N63-17397	15-2
AID-P-63-87	N63-19514	19-1
AID-P-63-88	N63-20252	20-1
AID-P-63-89	N63-22885	23-2
AID-P-63-91	N63-20179	20-1
AID-P-63-92	N63-19294	18-1
AID-P-63-95	N63-20253	20-1
AID-P-63-98	N63-22164	23-1
AID-P-63-103	N63-21326	21-2
AID-P-63-107	N63-22440	23-1
AID-P-63-108	N63-20793	21-1
AID-P-63-111	N63-22886	23-0
AID-P-63-113	N63-22888	23-3
AID-S-63-3	N63-11930	04-1
AID-S-63-4	N63-12137	05-1
AID-S-63-5	N63-12027	05-1
AID-S-63-13	N63-12319	05-0
AID-S-63-19	N63-12688	06-1
AID-S-63-26	N63-13554	08-1
AID S-63-34	N63-14373	10-0
AID-T-63-82	N63-17927	16-0
AID-T-63-83	N63-19089	18-0
AID-T-63-86	N63-17902	16-1

AID-T-63-90	N63-19125	18-09
AID-T-63-96	N63-19460	19-08
AID-T-63-102	N63-19396	18-23
AID-T-63-104	N63-21542	22-12
AID-T-63-105	N63-20773	21-20
AID-T-63-106	N63-23018	24-25
AID-T-63-112	N63-22887	23-23
AID WORK ASSIGNMENT-22	N63-20793	21-16
AIEE PAPER CP-62-1238	N63-18972	18-23
AIEE PAPER CP-62-1251	N63-18974	18-25
AIL-1760-1	N63-19664	19-09
AINA RES. PAPER-24	N63-13470	08-21
AL62LO20	N63-11045	03-17
AL63TO11	N63-21113	21-17
AL63TO16	N63-23713	24-17
AM-84	N63-10370	01-01
AMC-RG-TR-62-4	N63-10217	01-09
AMC-RG-TR-63-12	N63-18029	16-04
AMC-RK-TR-62-10	N63-10748	02-17
AMC-RR-TM-63-1	N63-22515	23-02
AMC-RR-TR-62-5	N63-11435	03-33
AMC-RR-TR-62-8	N63-11867	04-23
AMC-RR-TR-62-10	N63-11750	04-08
AMC-RR-TR-63-11	N63-20463	20-23
AMC-TR-7-866/III/	N63-15831	13-18
AMP-92	N63-13672	08-23
AMP-93	N63-10618	02-24
AMP-94	N63-13354	08-23
AMP-100	N63-14209	09-25
AMP-101	N63-14201	09-18
AMP-107	N63-16680	14-07
AMP-110	N63-17950	16-24
AMP-111	N63-18118	16-02
AMP-112	N63-19712	19-23
AMP-113	N63-23008	24-11
AMP-116	N63-20826	21-19
AMP-119	N63-23097	24-07
AMRA-CR-63-02/1/F/	N63-15731	12-18
AMRA-TR-63-01	N63-21783	22-23
AMRA-TR-63-02	N63-21795	22-19
AMRA-TR-63-03	N63-21789	22-25
AMRA-TR-63-04	N63-21809	22-12
AMRA-TR-63-05	N63-21796	22-09
AMRA-TR-63-06	N63-20376	20-33
AMRA-TR-63-07	N63-21810	22-23
AMRA-TR-63-12	N63-22847	23-11
AMRA-TR-63-21	N63-22922	23-33
AMRL-MEMO-M-26	N63-23582	24-26
AMRL-MEMO-P-3	N63-19092	18-14
AMRL-MEMO-P-21	N63-19143	18-14
AMRL-MEMO-P-23	N63-19093	18-14
AMRL-MEMO-P-31	N63-19003	18-14
AMRL-MEMO-P-35	N63-23159	24-08
AMRL-MEMO-P-39	N63-23158	24-08
AMRL-MEMO-P-42	N63-23810	24-14
AMRL-MEMO-P-43	N63-23172	24-01
AMRL-TDR-62-81	N63-10472	01-16
AMRL-TDR-62-82	N63-10292	01-14
AMRL-TDR-62-85	N63-10094	01-01
AMRL-TDR-62-88	N63-10183	01-15
AMRL-TDR-62-89	N63-10944	02-16
AMRL-TDR-62-90	N63-10337	01-16
AMRL-TDR-62-91	N63-10151	01-16
AMRL-TDR-62-93	N63-10184	01-14
AMRL-TDR-62-94	N63-10283	01-16
AMRL-TDR-62-96	N63-10879	02-16
AMRL-TDR-62-97	N63-10945	02-14
AMRL-TDR-62-98/I/	N63-10152	01-16
AMRL-TDR-62-99/1/	N63-16286	13-18
AMRL-TDR-62-99/II/	N63-16409	14-16
AMRL-TDR-62-100	N63-10075	01-14
AMRL-TDR-62-101	N63-10610	02-16
AMRL-TDR-62-102	N63-10451	01-16
AMRL-TDR-62-103	N63-10130	01-32
AMRL-TDR-62-104	N63-13420	08-14
AMRL-TDR-62-105	N63-10203	01-14
AMRL-TDR-62-106	N63-10185	01-14
AMRL-TDR-62-107	N63-10293	01-14
AMRL-TDR-62-108	N63-11787	04-16
AMRL-TDR-62-109	N63-10468	01-16
AMRL-TDR-62-110	N63-10469	01-16
AMRL-TDR-62-112	N63-10678	02-16
AMRL-TDR-62-113	N63-19160	18-10
AMRL-TDR-62-114	N63-19335	18-14
AMRL-TDR-62-115/II/	N63-22596	23-08
AMRL-TDR-62-116	N63-11465	03-16
AMRL-TDR-62-117	N63-11359	03-16
AMRL-TDR-62-118	N63-11226	03-16
AMRL-TDR-62-119	N63-10186	01-16
AMRL-TDR-62-120	N63-10187	01-16
AMRL-TDR-62-121	N63-13421	08-16
AMRL-TDR-62-122	N63-13937	09-16
AMRL-TDR-62-123	N63-11788	04-16
AMRL-TDR-62-124	N63-15320	12-29
AMRL-TDR-62-126	N63-11924	04-16
AMRL-TDR-62-127	N63-13142	07-16
AMRL-TDR-62-128	N63-13143	07-16
AMRL-TDR-62-129	N63-14896	11-29
AMRL-TDR-62-130	N63-13006	07-16
AMRL-TDR-62-131	N63-11922	04-16
AMRL-TDR-62-134	N63-16274	13-04
AMRL-TDR-62-135	N63-11686	04-16
AMRL-TDR-62-136	N63-11755	04-16
AMRL-TDR-62-137	N63-18089	16-16
AMRL-TDR-62-138	N63-14648	10-14
AMRL-TDR-62-139	N63-15356	12-16
AMRL-TDR-62-140/I/	N63-13277	07-23
AMRL-TDR-62-140/II/	N63-13192	07-23
AMRL-TDR-62-140/III/	N63-13144	07-23
AMRL-TDR-62-141	N63-12739	06-16
AMRL-TDR-62-142	N63-14177	09-16
AMRL-TDR-62-143	N63-13145	07-16
AMRL-TDR-62-144	N63-12297	05-08
AMRL-TDR-62-145	N63-12466	06-16
AMRL-TDR-62-146	N63-13178	07-16
AMRL-TDR-62-147	N63-13938	09-16
AMRL-TDR-62-148	N63-14489	10-14
AMRL-TDR-62-149	N63-16422	14-06
AMRL-TDR-62-150	N63-15180	11-14
AMRL-TDR-62-151	N63-18339	17-16
AMRL-TDR-63-1	N63-15571	12-14
AMRL-TDR-63-3	N63-21301	21-16
AMRL-TDR-63-4	N63-15448	12-16
AMRL-TDR-63-5	N63-15646	12-16
AMRL-TDR-63-6	N63-15447	12-14
AMRL-TDR-63-7	N63-15925	13-16
AMRL-TDR-63-9	N63-18141	16-16
AMRL-TDR-63-10	N63-15620	12-16
AMRL-TDR-63-11	N63-15353	12-04
AMRL-TDR-63-12	N63-15621	12-14
AMRL-TDR-63-13	N63-16285	13-14
AMRL-TDR-63-14	N63-15496	12-16
AMRL-TDR-63-15	N63-17490	16-10
AMRL-TDR-63-16	N63-15355	12-16
AMRL-TDR-63-17	N63-15367	12-10
AMRL-TDR-63-18	N63-19663	19-14
AMRL-TDR-63-19	N63-16557	14-16
AMRL-TDR-63-20	N63-17666	16-16
AMRL-TDR-63-22	N63-16339	13-14
AMRL-TDR-63-23	N63-18246	17-14
AMRL-TDR-63-25	N63-19826	19-14
AMRL-TDR-63-26	N63-17584	16-14
AMRL-TDR-63-28	N63-17674	16-16
AMRL-TDR-63-29	N63-22392	23-14
AMRL-TDR-63-30	N63-17491	16-16
AMRL-TDR-63-31	N63-17492	16-16
AMRL-TDR-63-32	N63-17583	16-16
AMRL-TDR-63-33	N63-17585	16-14
AMRL-TDR-63-34	N63-19064	18-14
AMRL-TDR-63-35	N63-18264	17-14
AMRL-TDR-63-36	N63-18636	17-16
AMRL-TDR-63-37	N63-19512	19-16
AMRL-TDR-63-39	N63-19321	18-16
AMRL-TDR-63-40	N63-19069	18-09
AMRL-TDR-63-41	N63-19322	18-16
AMRL-TDR-63-42	N63-19467	19-15
AMRL-TDR-63-43	N63-19437	19-16
AMRL-TDR-63-44	N63-19452	19-16
AMRL-TDR-63-45	N63-18777	18-16
AMRL-TDR-63-48	N63-19739	19-10
AMRL-TDR-63-49	N63-21059	21-08
AMRL-TDR-63-50	N63-18898	18-09
AMRL-TDR-63-52	N63-19845	19-16
AMRL-TDR-63-53	N63-19846	19-16

AMRL-TDR-63-54, VOL. I	N63-19434	19-10
AMRL-TDR-63-55	N63-19357	18-17
AMRL-TDR-63-57	N63-21284	21-08
AMRL-TDR-63-58	N63-19507	19-14
AMRL-TDR-63-59	N63-21818	22-11
AMRL-TDR-63-60	N63-19453	19-16
AMRL-TDR-63-62	N63-21817	22-23
AMRL-TDR-63-63	N63-21304	21-23
AMRL-TDR-63-64	N63-21333	21-23
AMRL-TDR-63-67	N63-21366	22-06
AMRL-TDR-63-68 /I/	N63-22682	23-14
AMRL-TDR-63-71	N63-22615	23-16
AMRL-TDR-63-74	N63-22594	23-08
AMRL-TDR-63-75	N63-23574	24-26
AMRL-TDR-63-77	N63-22901	23-16
AMRL-TDR-63-78	N63-22595	23-20
AMRL-TDR-63-79	N63-22521	23-14
AMS-TR-46	N63-18152	16-12
AN-625	N63-16931	14-07
AN-1048	N63-23758	24-23
ANIP-6-30-62	N63-15600	12-15
ANL-5674	N63-17914	16-18
ANL-5800	N63-22834	23-23
ANL-6319 REV.	N63-10613	02-20
ANL-6411	N63-15937	13-10
ANL-6489	N63-13774	08-10
ANL-6517	N63-11640	04-23
ANL-6537	N63-12209	05-15
ANL-6560	N63-13922	09-20
ANL-6591	N63-13065	07-18
ANL-6596	N63-13024	07-07
ANL-6603	N63-10407	01-23
ANL-6611	N63-11199	03-23
ANL-6616	N63-12317	05-10
ANL-6623	N63-11689	04-20
ANL-6625	N63-14562	10-11
ANL-6631	N63-13066	07-18
ANL-6633	N63-11025	03-11
ANL-6634	N63-12344	05-09
ANL-6636	N63-12935	07-15
ANL-6637	N63-11815	04-07
ANL-6641	N63-11601	04-20
ANL-6642	N63-12140	05-07
ANL-6644	N63-13025	07-26
ANL-6645	N63-11751	04-13
ANL-6646	N63-17305	15-01
ANL-6647	N63-11752	04-20
ANL-6648	N63-20681	20-18
ANL-6652	N63-12740	06-17
ANL-6653	N63-13310	07-20
ANL-6656	N63-22759	23-27
ANL-6657	N63-18383	17-18
ANL-6658	N63-11492	03-23
ANL-6660	N63-14076	09-13
ANL-6661	N63-13606	08-26
ANL-6663	N63-13576	08-07
ANL-6666	N63-13652	08-23
ANL-6667	N63-15218	11-11
ANL-6672	N63-12318	05-10
ANL-6673	N63-13067	07-23
ANL-6674	N63-14563	10-11
ANL-6675	N63-16483	14-13
ANL-6676	N63-21042	21-18
ANL-6679	N63-15185	11-23
ANL-6680	N63-21406	22-23
ANL-6683	N63-13068	07-23
ANL-6684	N63-22988	23-07
ANL-6685	N63-15375	12-23
ANL-6692	N63-14564	10-23
ANL-6694	N63-21032	21-23
ANL-6699	N63-22754	23-20
ANL-6700	N63-15538	12-09
ANL-6705	N63-14971	11-27
ANL-6709	N63-18245	17-20
ANL-6710	N63-22756	23-11
ANL-6711	N63-20441	20-26
ANL-6713	N63-19219	18-10
ANL-6716	N63-19825	19-20
ANL-6717	N63-16179	13-23
ANL-6718	N63-18331	17-20
ANL-6720	N63-23161	24-23
ANL-6722	N63-21206	21-20
ANL-6723	N63-20436	20-16
ANL-6729	N63-19841	19-20
ANL-6730	N63-22755	23-23
ANL-6731	N63-21706	22-19
ANL-6737	N63-20893	21-22
ANL-6738	N63-20894	21-11
ANL-6739	N63-18027	16-22
ANL-6741	N63-22757	23-1[illegible]
ANL-6744	N63-19730	19-2[illegible]
ANL-6745	N63-23570	24-2[illegible]
ANL-6747	N63-20711	21-0[illegible]
ANL-6749	N63-19220	18-1[illegible]
ANL-6754	N63-22758	23-0[illegible]
ANL-6755	N63-22989	23-[illegible]
ANL-6764	N63-20444	20-[illegible]
ANL-6765	N63-21390	22-1[illegible]
ANL-6766	N63-23571	24-0[illegible]
ANL-6767	N63-23162	24-2[illegible]
ANL-6780	N63-22565	23-2[illegible]
AOL-62-0026	N63-21031	21-[illegible]
AOL-62-0049-1	N63-13925	09-1[illegible]
AOMC-RF-TR-62-1, REV.	N63-10715	02-0[illegible]
AOMC-RR-TR-62-3	N63-14516	10-0[illegible]
AP-21	N63-21061	21-0[illegible]
AP-5061-R	N63-12241	05-0[illegible]
AP-5062-R	N63-12242	05-2[illegible]
APDA-154	N63-22732	23-2[illegible]
APEX-800, PT. B	N63-19327	18-1[illegible]
APEX-913	N63-10157	01-1[illegible]
APGC-TDR-62-14	N63-15196	11-1[illegible]
APGC-TDR-62-59	N63-10599	02-3[illegible]
APGC-TDR-62-65	N63-10403	01-2[illegible]
APGC-TDR-62-67	N63-10404	01-2[illegible]
APGC-TDR-62-69	N63-11028	03-2[illegible]
APGC-TDR-62-74	N63-12005	05-3[illegible]
APGC-TDR-63-2	N63-12163	05-2[illegible]
APGC-TDR-63-16	N63-13996	09-2[illegible]
APGC-TDR-63-22	N63-14878	11-3[illegible]
APGC-TDR-63-30	N63-18183	16-2[illegible]
APP-3	N63-20780	21-2[illegible]
APP-4	N63-23082	24-2[illegible]
AR-26-JPL	N63-11407	03-2[illegible]
AR1-62-397	N63-14590	10-1[illegible]
ARA-T-9219-1	N63-17984	16-3[illegible]
ARA-T-9219-4	N63-20718	21-1[illegible]
ARA-T-9226-1	N63-21865	22-1[illegible]
ARA WIND TUNNEL NOTE-48	N63-17578	16-0[illegible]
ARA WIND TUNNEL NOTE-52	N63-19033	18-0[illegible]
ARAP-5-P	N63-13916	09-2[illegible]
ARAP-6-R	N63-17571	16-2[illegible]
ARAP-7-P-1	N63-17576	16-2[illegible]
ARAP-7-P-2	N63-17577	16-2[illegible]
ARAP-8-P	N63-19116	18-2[illegible]
ARAP-9-P	N63-19042	18-1[illegible]
ARAP-49, PT. II	N63-17242	15-2[illegible]
ARAP-44	N63-16841	14-1[illegible]
ARAP-50	N63-15900	13-1[illegible]
ARC-17703	N63-22853	23-0[illegible]
ARAP-47	N63-12987	07-1[illegible]
ARAP-48	N63-17243	15-2[illegible]
ARAP-49, PT. 1	N63-17241	15-2[illegible]
ARC-18843	N63-13842	09-2[illegible]
ARC-18967	N63-13803	09-1[illegible]
ARC-19593	N63-23250	24-0[illegible]
ARC-19756	N63-23250	24-0[illegible]
ARC-19865	N63-10138	01-1[illegible]
ARC-19961	N63-13856	09-1[illegible]
ARC-20369	N63-17120	15-0[illegible]
ARC-20433	N63-11902	04-0[illegible]
ARC-20617	N63-13842	09-2[illegible]
ARC-20782	N63-17121	15-0[illegible]
ARC-20981	N63-13787	09-1[illegible]
ARC-21040	N63-15833	13-0[illegible]
ARC-21699	N63-20047	19-0[illegible]
ARC-21713	N63-22207	23-1[illegible]
ARC-22186	N63-15742	12-0[illegible]
ARC-22191	N63-11901	04-0[illegible]
ARC-22245	N63-13846	09-1[illegible]
ARC-22372	N63-12093	05-0[illegible]

ARC-22503	N63-13802	09-02
ARC-22583	N63-13968	09-13
ARC-22584	N63-13968	09-13
ARC-22670	N63-13847	09-11
ARC-22683	N63-12128	05-03
ARC-22753	N63-16895	14-11
ARC-22775	N63-13351	08-11
ARC-22778	N63-16881	14-11
ARC-22814	N63-11925	04-03
ARC-22823	N63-15743	12-03
ARC-22852	N63-11926	04-11
ARC-22863	N63-11927	04-11
ARC-22889	N63-22215	23-33
ARC-22974	N63-17209	15-15
ARC-22983	N63-16415	14-03
ARC-23012	N63-17904	16-03
ARC-23019	N63-11903	04-03
ARC-23046	N63-22051	22-03
ARC-23047	N63-13849	09-02
ARC-23110	N63-18064	16-03
ARC-23112	N63-13541	08-03
ARC-23120	N63-15744	12-03
ARC-23162	N63-17145	15-20
ARC-23168	N63-13786	09-20
ARC-23232	N63-21310	21-11
ARC-23237	N63-10456	01-03
ARC-23241	N63-17198	15-33
ARC-23259	N63-22854	23-11
ARC-23270	N63-17144	15-02
ARC-23329	N63-17523	16-02
ARC-23437	N63-12093	05-02
ARC-23439	N63-16882	14-04
ARC-23440	N63-13848	09-11
ARC-23517	N63-13967	09-33
ARC-23518	N63-23745	24-33
ARC-23573	N63-22210	23-18
ARC-23580	N63-22031	22-11
ARC-23600	N63-13850	09-02
ARC-23649	N63-22214	23-02
ARC-23749	N63-22388	23-27
ARC-23784	N63-17122	15-20
ARC-23785	N63-10139	01-02
ARC-23814	N63-22208	23-03
ARC-23815	N63-16166	13-03
ARC-23817	N63-17146	15-17
ARC-23888	N63-21295	21-02
ARC-23893	N63-20237	20-11
ARC-23907	N63-23746	24-11
ARC-23912	N63-21837	22-33
ARC-23999	N63-22163	23-11
ARC-24106	N63-13804	09-15
ARC-24156	N63-16169	13-04
ARC-24189	N63-21836	22-02
ARC-24245	N63-21799	22-02
ARC-24384	N63-22211	23-33
ARC-24396	N63-23744	24-02
ARC-24414	N63-22209	23-33
ARC-24722	N63-23747	24-10
ARC-24742	N63-22212	23-04
ARC-CP-506	N63-22207	23-18
ARC-CP-595	N63-10138	01-11
ARC-CP-606	N63-13541	08-03
ARC-CP-611	N63-10139	01-02
ARC-CP-613	N63-13846	09-11
ARC-CP-614	N63-17145	15-20
ARC-CP-615	N63-12093	05-02
ARC-CP-618	N63-22208	23-03
ARC-CP-619	N63-16166	13-03
ARC-CP-620	N63-17146	15-17
ARC-CP-621	N63-22853	23-03
ARC-CP-622	N63-13847	09-11
ARC-CP-625	N63-16895	14-11
ARC-CP-626	N63-16881	14-11
ARC-CP-627	N63-21837	22-33
ARC-CP-628	N63-13804	09-15
ARC-CP-629	N63-17144	15-02
ARC-CP-630	N63-13848	09-11
ARC-CP-631	N63-22031	22-11
ARC-CP-632	N63-13849	09-02
ARC-CP-633	N63-21310	21-11
ARC-CP-635	N63-22854	23-11
ARC-CP-637	N63-13850	09-02
ARC-CP-639	N63-20047	19-04
ARC-CP-642	N63-16415	14-03
ARC-CP-644	N63-22209	23-33
ARC-CP-645	N63-20237	20-11
ARC-CP-647	N63-16882	14-04
ARC-CP-648	N63-21295	21-02
ARC-CP-651	N63-21836	22-02
ARC-CP-652	N63-21799	22-02
ARC-CP-653	N63-22051	22-03
ARC-CP-655	N63-22210	23-18
ARC-CP-665	N63-23744	24-02
ARC-CP-680	N63-23745	24-33
ARC-CP-683	N63-23746	24-11
ARC-CP-688	N63-22211	23-33
ARC-CP-689	N63-22212	23-04
ARC-CP-698	N63-23747	24-10
ARC-R-58	N63-19953	19-32
ARC-R-72	N63-12656	06-34
ARC-R-77	N63-10951	02-34
ARC-R-107	N63-22614	23-09
ARC-R&M-3279	N63-13802	09-02
ARC R&M-3282	N63-13351	08-11
ARC-R&M-3285	N63-13842	09-20
ARC-R&M-3286	N63-11901	04-03
ARC-R&M-3287	N63-10456	01-03
ARC-R&M-3289	N63-13856	09-11
ARC-R&M-3290	N63-11902	04-02
ARC-R&M-3291	N63-13803	09-11
ARC-R&M-3292	N63-13787	09-11
ARC-R&M-3293	N63-21257	21-03
ARC-R&M-3294	N63-12128	05-03
ARC-R&M-3296	N63-17121	15-04
ARC-R&M-3298	N63-15742	12-03
ARC-R&M-3299	N63-11903	04-03
ARC-R&M-3300	N63-13968	09-13
ARC-R&M-3301	N63-17209	15-15
ARC-R&M-3302	N63-13786	09-20
ARC-R&M-3304	N63-15743	12-03
ARC-R&M-3305	N63-18064	16-03
ARC-R&M-3306	N63-17523	16-02
ARC-R&M-3307	N63-15744	12-03
ARC-R&M-3309	N63-13967	09-33
ARC-R&M-3312	N63-23250	24-03
ARC-R&M-3313	N63-17120	15-04
ARC-R&M-3314	N63-15833	13-04
ARC-R&M-3315	N63-17904	16-03
ARC-R&M-3320	N63-22388	23-27
ARC-R&M-3322	N63-17122	15-20
ARC-R&M-3323	N63-22214	23-02
ARC-R&M-3330	N63-22215	23-33
ARC-R&M-3336	N63-23776	24-04
ARD-306	N63-22376	23-04
ARD-311	N63-22915	23-11
ARD-817-453	N63-19942	19-34
ARD-965-250-A	N63-19300	18-19
ARD-967-1	N63-13555	08-34
ARD-976-100	N63-13051	07-04
ARD-979-250	N63-13556	08-18
ARD-981-600	N63-13558	08-06
ARD-TR-02-003	N63-11440	03-33
ARD-TR-013-01	N63-23645	24-11
ARDC-TR-59-66	N63-11721	04-18
ARDC-TR-59-66, SUPPL. I	N63-11722	04-18
ARF-1164-27	N63-11821	04-17
ARF-1200-3	N63-10142	01-29
ARF-2181-12	N63-15179	11-18
ARF-2182-24	N63-16192	13-18
ARF-2208-16	N63-14056	09-18
ARF-2213-14	N63-11602	04-18
ARF-2222-12	N63-16045	13-18
ARF-2244-3	N63-16047	13-34
ARF-3142-12	N63-16112	13-25
ARF-3190-6	N63-13197	07-25
ARF-3193-5	N63-10151	01-16
ARF-3194-7	N63-11127	03-29
ARF-3194-9	N63-21997	22-18
ARF-3197-15	N63-10956	02-26
ARF-3207-5	N63-19854	19-17
ARF-3227-1	N63-12878	07-07
ARF-3227-2	N63-13272	07-07
ARF-3227-3	N63-15499	12-07
ARF-A188-5	N63-18414	17-28
ARF-A200-4	N63-15321	12-29
ARF-A204-3	N63-14447	10-12
ARF-A217-7	N63-15095	11-24
ARF-A218-12	N63-18882	18-21
ARF-A1216-7	N63-14831	11-25
ARF-B183-13	N63-14299	10-18

ARF-B201-27	N63-19063	18-18
ARF-B206-12	N63-16690	14-33
ARF-B224-5	N63-12768	06-18
ARF-B244-6	N63-16046	13-34
ARF-B765-25	N63-12801	06-18
ARF-B765-28	N63-17131	15-18
ARF-B6001-4	N63-19666	19-17
ARF-R3501-B4T	N63-20372	20-18
ARL/1-62	N63-21256	21-09
ARL-31, PT. II	N63-17572	16-20
ARL-62-360, PT. 1	N63-15227	11-04
ARL-62-373, PT. 1	N63-10287	01-20
ARL-62-373, PT. II	N63-10288	01-20
ARL-62-379	N63-14535	10-26
ARL-62-393	N63-10409	01-10
ARL-62-396	N63-12025	05-11
ARL-62-400	N63-17731	16-23
ARL-62-404	N63-10280	01-23
ARL-62-405	N63-10753	02-02
ARL-62-406	N63-10128	01-15
ARL-62-416	N63-10291	01-15
ARL-62-417	N63-11009	03-24
ARL-62-423	N63-10477	01-13
ARL-62-425	N63-10742	02-33
ARL-62-426	N63-10323	01-07
ARL-62-430	N63-11008	03-26
ARL-62-431	N63-11007	03-26
ARL-62-432	N63-11538	03-26
ARL-62-433	N63-11539	03-23
ARL 62-434	N63-10525	01-33
ARL-62-439	N63-11782	04-07
ARL-62-440	N63-15461	12-23
ARL-62-442	N63-11871	04-13
ARL-62-453	N63-12026	05-11
ARL-62-457	N63-12320	05-11
ARL-62-458	N63-13433	08-20
ARL-62-460	N63-21786	22-24
ARL-62-463	N63-11748	04-15
ARL-62-467	N63-11029	03-26
ARL-62-471	N63-13963	09-24
ARL-62-478	N63-13434	08-20
ARL-63-1	N63-15613	12-10
ARL-63-3	N63-15102	11-13
ARL-63-4	N63-14716	10-33
ARL-63-8	N63-13177	07-23
ARL-63-13	N63-14624	10-07
ARL-63-14	N63-14175	09-02
ARL-63-15	N63-15549	12-18
ARL-63-16	N63-16372	14-02
ARL-63-18	N63-15575	12-20
ARL-63-19	N63-15225	11-20
ARL-63-24	N63-15697	12-11
ARL-63-25	N63-16487	14-13
ARL-63-26	N63-15709	12-11
ARL-63-27	N63-15310	12-23
ARL-63-33	N63-15824	13-20
ARL-63-35	N63-16512	14-24
ARL-63-37	N63-17462	15-18
ARL-63-45	N63-18638	17-15
ARL-63-47	N63-16460	14-15
ARL-63-48	N63-17593	16-08
ARL-63-54	N63-17395	15-24
ARL-63-58	N63-17470	15-15
ARL-63-61	N63-16178	13-23
ARL-63-62	N63-17895	16-24
ARL-63-63	N63-17471	15-23
ARL-63-73	N63-17775	16-11
ARL-63-74	N63-18250	17-11
ARL-63-75	N63-17946	16-02
ARL-63-76	N63-17811	16-25
ARL-63-80	N63-18273	17-07
ARL-63-81	N63-18019	16-03
ARL-63-83	N63-20751	21-11
ARL-63-84	N63-20766	21-19
ARL-63-85	N63-22237	23-11
ARL-63-86	N63-22342	23-30
ARL-63-87	N63-18024	16-23
ARL-63-88	N63-22194	23-11
ARL-63-96	N63-20634	20-23
ARL-63-97	N63-16555	14-23
ARL-63-100	N63-20909	21-20
ARL-63-101	N63-20910	21-26
ARL-63-102	N63-22195	23-02
ARL-63-104	N63-18794	18-18
ARL-63-105	N63-22495	23-23
ARL-63-106	N63-20911	21-20
ARL-63-107	N63-20825	21-20
ARL-63-109	N63-19124	18-07
ARL-63-114	N63-20990	21-2
ARL-63-117	N63-22143	22-1
ARL-63-124	N63-22496	23-1
ARL-63-125	N63-20912	21-2
ARL-63-126	N63-22497	23-2
ARL-63-127	N63-22346	23-1
ARL-63-128	N63-17963	16-3
ARL-63-129	N63-17964	16-2
ARL-63-130	N63-17965	16-2
ARL-63-132	N63-20746	21-2
ARL-63-133	N63-22144	22-1
ARL-63-134	N63-22590	23-0
ARL-63-139	N63-22242	23-2
ARL-63-140	N63-23104	24-2
ARL-63-144	N63-22498	23-2
ARL-63-145	N63-23129	24-2
ARL-63-147	N63-22089	22-1
ARL-63-148	N63-19301	18-2
ARL-63-149	N63-19336	18-2
ARL-63-150	N63-22198	23-2
ARL-63-151	N63-23471	24-2
ARL-63-152	N63-22499	23-1
ARL-63-157	N63-22347	23-2
ARL-63-159	N63-22500	23-2
ARL-63-160	N63-22397	23-0
ARL-63-161	N63-22145	22-1
ARL-63-162	N63-22343	23-1
ARL-63-163	N63-22501	23-0
ARL-63-166	N63-22146	22-2
ARL-63-167	N63-22339	23-1
ARL-63-168	N63-22990	23-0
ARL-63-170	N63-23105	24-1
ARL-63-186	N63-22744	23-2
ARL-222	N63-14312	10-1
ARL-225	N63-12668	06-1
ARL-1357-1	N63-22799	23-1
ARL/A-123	N63-16828	14-0
ARL/A-193	N63-22062	22-0
ARL/A-198	N63-11043	03-1
ARL/A-204	N63-17575	16-1
ARL/F-33	N63-19903	19-1
ARL/HE-2	N63-19905	19-2
ARL/HE-14	N63-19904	19-2
ARL/ME-105	N63-19906	19-0
ARL/ME-251	N63-13290	07-1
ARL/MET-15	N63-10876	02-1
ARL/MET-45	N63-15732	12-1
ARL/MET-46	N63-19625	19-1
ARL/MET-47	N63-19933	19-1
ARL/MET-48	N63-22063	22-1
ARL/MET-49	N63-19908	19-1
ARL-SM-103	N63-12807	06-3
ARL/SM-275	N63-19907	19-0
ARL/SM-276	N63-17233	15-1
ARL-SM-279	N63-12774	06-3
ARL/SM-287	N63-15870	13-1
ARL/SM-288	N63-10907	02-3
ARL/SM 291	N63-22064	22-3
ARL-TDR-62-17	N63-11628	04-1
ARL-TDR-62-20	N63-15405	12-1
ARL-TDR-62-25	N63-11790	04-1
ARL-TDR-62-26	N63-11038	03-1
ARL-TDR-62-27	N63-11791	04-1
ARL-TDR-62-28	N63-11792	04-1
ARL-TDR-62-29	N63-12433	06-1
ARL-TDR-62-30	N63-11793	04-1
ARL-TDR-63-6	N63-21218	21-1
ARL-TDR-63-8	N63-15666	12-1
ARL-TDR-63-9	N63-14969	11-3
ARL-TDR-63-10	N63-15076	11-1
ARL-TDR-63-15	N63-18729	17-1
ARL-TDR-63-17	N63-19065	18-1
ARL-TDR-63-18	N63-19196	18-1
ARL-TDR-63-19	N63-19758	19-1
ARL-TDR-63-20	N63-20636	20-1
ARL-TDR-63-21	N63-19759	19-1
ARL-TDR-63-22	N63-19760	19-1
ARMA-TR-63-08	N63-20624	20-1
AROD-5-62	N63-22082	22-2
AROD-006-9	N63-19215	18-0
AROD-007-15	N63-15817	13-0

AROD-007-16	N63-19977	19-07
AROD-223-7	N63-18909	18-23
AROD-223-59	N63-13224	07-20
AROD-247-54	N63-11737	04-20
AROD-938-32	N63-11622	04-20
AROD-968-34	N63-11125	03-20
AROD-983-24	N63-20721	21-23
AROD-1176-20	N63-19805	19-25
AROD-1280-9	N63-15840	13-20
AROD-1283-20	N63-19353	18-33
AROD-1323-24	N63-13270	07-20
AROD-1325-16	N63-13661	08-33
AROD-1325-17	N63-22745	23-23
AROD-1395-10	N63-12216	05-07
AROD-1443-55	N63-12217	05-07
AROD-1517-44	N63-12127	05-20
AROD-1517-51	N63-14615	10-20
AROD-1517-52	N63-16947	14-20
AROD-1538-20	N63-14377	10-20
AROD-1538-21	N63-15818	13-07
AROD-1538-22	N63-16535	14-32
AROD-1538-24	N63-19151	18-20
AROD-1579-10	N63-14054	09-23
AROD-1579-11	N63-14452	10-23
AROD-1579-12	N63-17017	15-25
AROD-1830-1	N63-12757	06-11
AROD-1892-5	N63-19358	18-33
AROD-1931-5	N63-10366	01-25
AROD-1948-2	N63-15483	12-11
AROD-1954-10	N63-16792	14-13
AROD-2000-7	N63-16979	14-13
AROD-2028-14	N63-13540	08-33
AROD-2056-13	N63-18724	17-20
AROD-2064-4	N63-13052	07-18
AROD-2099-12	N63-16852	14-25
AROD-2099-13	N63-16520	14-25
AROD-2205-4	N63-10450	01-18
AROD-2231-7	N63-18909	18-23
AROD-2231-8	N63-19044	18-11
AROD-2231-9	N63-19764	19-11
AROD-2238-5	N63-11565	04-25
AROD-2267-7	N63-21009	21-24
AROD-2268-12	N63-11297	03-09
AROD-2268-13	N63-16832	14-06
AROD-2276-3	N63-12711	06-07
AROD-2276-4	N63-13374	08-07
AROD-2281-4	N63-18140	16-07
AROD-2289-4	N63-15482	12-07
AROD-2303-1	N63-22431	23-11
AROD-2303-2	N63-22974	23-11
AROD-2303-3	N63-22975	23-11
AROD-2303-4	N63-22430	23-11
AROD-2327-2	N63-18906	18-13
AROD-2334-3	N63-17129	15-25
AROD-2336-2	N63-14616	10-07
AROD-2380-5	N63-11281	03-11
AROD-2458-41	N63-13487	08-17
AROD-2465-5	N63-10113	01-33
AROD-2465-7	N63-17712	16-33
AROD-2465-8	N63-17061	15-33
AROD-2496-1	N63-13231	07-23
AROD-2510-10	N63-13055	07-23
AROD-2530-2	N63-22564	23-18
AROD-2543-8	N63-13432	08-23
AROD-2558-7	N63-19976	19-23
AROD-2566-4	N63-10439	01-27
AROD-2571-3	N63-16694	14-33
AROD-2579-13	N63-12095	05-20
AROD-2579-14	N63-18804	18-20
AROD-2579-15	N63-19545	19-07
AROD-2581-2	N63-16537	14-18
AROD-2588-3	N63-13053	07-23
AROD-2650-4	N63-22396	23-07
AROD-2662-5	N63-15054	11-18
AROD-2757-1	N63-13435	08-07
AROD-2763-12	N63-10156	01-20
AROD-2770-3	N63-22156	22-19
AROD-2773-6	N63-11674	04-20
AROD-2776-10	N63-14826	11-20
AROD-2776-11	N63-15812	13-01
AROD-2781-3	N63-14361	10-23
AROD-2786-2	N63-13375	08-07
AROD-2790-1	N63-20764	21-24
AROD-2800-11	N63-18017	16-20
AROD-2802-5	N63-19744	19-24
AROD-2836-1	N63-22570	23-24
AROD-2838-1	N63-10367	01-25
AROD-2884-1	N63-19404	19-18
AROD-2891-4	N63-11282	03-18
AROD-2891-5	N63-13437	08-33
AROD-2891-7	N63-18769	17-25
AROD-2914-13	N63-20975	21-25
AROD-2916-1	N63-17513	16-25
AROD-2934-2	N63-21695	22-20
AROD-2934-3	N63-13343	08-20
AROD-2934-7	N63-13344	08-20
AROD-2934-8	N63-13345	08-20
AROD-2934-9	N63-17385	15-20
AROD-2934-12	N63-19803	19-20
AROD-2934-13	N63-19086	18-20
AROD-2986-1	N63-21715	22-23
AROD-2998-1	N63-11679	04-33
AROD-3005-4	N63-13438	08-11
AROD-3065-1	N63-14067	09-33
AROD-3083-5	N63-19547	19-25
AROD-3083-6	N63-21851	22-06
AROD-3083-7	N63-21852	22-25
AROD-3106-2	N63-13050	07-33
AROD-3136-1	N63-20674	20-33
AROD-3156-1	N63-12802	06-07
AROD-3187-2	N63-21444	22-23
AROD-3209-2	N63-18148	16-25
AROD-3227-1	N63-23435	24-11
AROD-3251-1	N63-14075	09-23
AROD-3263-7	N63-23056	24-19
AROD-3301-1	N63-20224	20-07
AROD-3309-2	N63-15737	12-23
AROD-3318-11	N63-23173	24-23
AROD-3323-2	N63-19405	19-23
AROD-3323-3	N63-23167	24-25
AROD-3331-2	N63-18900	18-24
AROD-3394-1	N63-12315	05-18
AROD-3493-2	N63-21944	22-11
AROD-3496-1	N63-13057	07-23
AROD-3560-1	N63-21850	22-25
AROD-3764-1	N63-17151	15-23
AROD-3772-1	N63-19312	18-20
AROD-3887-1	N63-20708	21-25
AROD-3975-1	N63-20145	20-15
AROD-4049-11	N63-19146	18-08
AROD-N-62.4	N63-14611	10-31
ARPA-E6	N63-17177	15-33
ARS PAPER-1425-60	N63-21341	21-32
ARS PAPER-2376-62	N63-10531	01-24
ARS PAPER-2381-62	N63-15087	11-27
ARS PAPER-2390-62	N63-10803	02-29
ARS PAPER-2464-62	N63-10251	01-29
ARS PAPER-2498-62	N63-10252	01-06
ARS PAPER-2499-62	N63-10253	01-06
ARS PAPER-2502-62	N63-10254	01-06
ARS PAPER-2504-62	N63-10255	01-06
ARS PAPER-2505-62	N63-10256	01-06
ARS PAPER-2508-62	N63-10257	01-06
ARS PAPER-2509-62	N63-10258	01-06
ARS PAPER-2510-62	N63-10259	01-06
ARS PAPER-2514-62	N63-10326	01-26
ARS PAPER-2522-62	N63-10260	01-06
ARS PAPER-2531-62	N63-10261	01-06
ARS PAPER-2535-62	N63-10262	01-06
ARS PAPER-2536-62	N63-10263	01-06
ARS PAPER-2538-62	N63-10264	01-06
ARS PAPER-2543-62	N63-10265	01-06
ARS PAPER-2545-62	N63-10266	01-06
ARS PAPER-2547-62	N63-10267	01-06
ARS PAPER-2548-62	N63-10268	01-06
ARS PAPER-2550-62	N63-10269	01-06
ARS PAPER-2563-62	N63-10270	01-06
ARS PAPER-2564-62	N63-10271	01-06
ARS PAPER-2566-62	N63-10272	01-06
ARS PAPER-2567-62	N63-10273	01-06
ARS PAPER-2571-62	N63-10274	01-06
ARS PAPER-2602-62	N63-11250	03-05
ARS PAPER-2603-62	N63-11251	03-05
ARS PAPER-2604-62	N63-11252	03-29
ARS PAPER-2617-62	N63-11253	03-30
ARS PAPER-2619-62	N63-11254	03-09
ARS PAPER-2620-62	N63-11255	03-09
ARS PAPER-2622-62	N63-11256	03-29
ARS PAPER-2623-62	N63-11257	03-29
ARS PAPER-2625-62	N63-11258	03-29
ARS PAPER-2626-62	N63-11259	03-29
ARS PAPER-2633-62	N63-11260	03-24
ARS PAPER-2644-62	N63-11261	03-16
ARS PAPER-2647-62	N63-11262	03-14
ARS PAPER-2649-62	N63-11263	03-27
ARS PAPER-2650-62	N63-11264	03-27
ARS PAPER-2652-62	N63-11265	03-27

ARS PAPER-2654-62	N63-11266	03-27
ARS PAPER-2663-62	N63-11267	03-27
ARS PAPER-2664-62	N63-11268	03-27
ARS PAPER-2665-62	N63-11269	03-11
ARS PAPER-2666-62	N63-11270	03-29
ARS PAPER-2675-62	N63-13465	08-11
ARS PAPER-2678-62	N63-11271	03-21
ARS PAPER-2686-62	N63-11272	03-29
ARS PAPER-2690-62	N63-11273	03-26
ARS PAPER-2691-62	N63-11274	03-29
ARS PAPER-2692-62	N63-11275	03-09
ARS PAPER-2694-62	N63-11276	03-31
ARS PAPER-2695-62	N63-11277	03-22
ARS PAPER-2711-62	N63-11278	03-17
ARTC-30	N63-11182	03-10
AS-63-1	N63-18798	18-02
AS-63-2	N63-19824	19-11
AS-63-3	N63-20947	21-02
AS-286-591	N63-14847	11-24
ASA-C85.1-1963	N63-20010	19-09
ASC-TR-7-827/III/	N63-16964	14-18
ASC-TR-7-827/IV/	N63-16965	14-18
ASC-TR-7-827/V/	N63-16966	14-18
ASC-TR-7-827/VI/	N63-16967	14-18
ASC-TR-7-827/VII/	N63-16968	14-18
ASC-TR-7-827/VIII/	N63-19893	19-17
ASD-IR-2	N63-18026	16-17
ASD-IR-3	N63-18023	16-17
ASD-IR-4	N63-17945	16-17
ASD-IR-7-865/VI/	N63-21008	21-09
ASD-TDR-7-945/II/	N63-16046	13-34
ASD-TDR-7-945/III/	N63-21702	22-19
ASD-TDR-7-945/IV/	N63-21703	22-18
ASD-TDR-7-946/III/	N63-20414	20-17
ASD-TDR-61-338	N63-15839	13-33
ASD-TDR-61-529	N63-15431	12-18
ASD-TDR-62-8	N63-15710	12-18
ASD-TDR-62-24	N63-13636	08-13
ASD-TDR-62-24, PT. II	N63-20823	21-13
ASD-TDR-62-25, PT. 2	N63-22127	22-18
ASD-TDR-62-42	N63-16114	13-06
ASD-TDR-62-69	N63-10707	02-06
ASD-TDR-62-74	N63-16305	13-25
ASD-TDR-62-78	N63-15508	12-17
ASD-TDR-62-89	N63-16113	13-25
ASD-TDR-62-99	N63-15858	13-18
ASD-TDR-62-163	N63-16107	13-09
ASD-TDR-62-165, VOL. I.	N63-12301	05-15
ASD-TDR-62-165, VOL. II	N63-15879	13-33
ASD-TDR-62-186	N63-15806	13-33
ASD-TDR-62-186, PT. II	N63-18393	17-25
ASD-TDR-62-203, PT. II	N63-15880	13-18
ASD-TDR-62-204,PT.II	N63-19471	19-18
ASD-TDR-62-214	N63-10438	01-06
ASD-TDR-62-225	N63-15422	12-19
ASD-TDR-62-225, PT. II	N63-18634	17-19
ASD-TDR-62-230	N63-10294	01-18
ASD-TDR-62-233	N63-13197	07-25
ASD-TDR-62-237	N63-10882	02-33
ASD-TDR-62-267	N63-14993	11-04
ASD-TDR-62-279	N63-10749	02-34
ASD-TDR-62-284	N63-10473	01-33
ASD-TDR-62-292	N63-10704	02-18
ASD-TDR-62-320	N63-16302	13-24
ASD-TDR-62-323	N63-15034	11-17
ASD-TDR-62-329	N63-10756	02-18
ASD-TDR-62-354	N63-12284	05-18
ASD-TDR-62-354, PT. II	N63-17672	16-18
ASD-TDR-62-360	N63-16259	13-02
ASD-TDR-62-362	N63-13544	08-20
ASD-TDR-62-373	N63-10744	02-06
ASD-TDR-62-375	N63-10877	02-23
ASD-TDR-62-379	N63-15827	13-33
ASD-TDR-62-396	N63-10745	02-18
ASD-TDR-62-398	N63-10480	01-06
ASD-TDR-62-399	N63-13543	08-33
ASD-TDR-62-409	N63-10471	01-33
ASD-TDR-62-411, PT. I	N63-16115	13-24
ASD-TDR-62-416	N63-12710	06-19
ASD-TDR-62-427	N63-13755	08-07
ASD-TDR-62-431	N63-14848	11-18
ASD-TDR-62-442	N63-16116	13-18
ASD-TDR-62-451	N63-11330	03-26
ASD-TDR-62-459	N63-14775	11-24
ASD-TDR-62-461	N63-10148	01-1
ASD-TDR-62-462	N63-10470	01-3
ASD-TDR-62-463	N63-10133	01-0
ASD-TDR-62-470	N63-13518	08-2
ASD-TDR-62-479, PT. I	N63-18186	16-1
ASD-TDR-62-479, PT. II	N63-18637	17-1
ASD-TDR-62-479, PART I	N63-20294	20-1
ASD-TDR-62-479, PART II	N63-20295	20-1
ASD-TDR-62-501	N63-10663	02-3
ASD-TDR-62-507	N63-11785	04-0
ASD-TDR-62-508	N63-12285	05-1
ASD-TDR-62-509, VOL. II	N63-16999	15-1
ASD-TDR-62-513	N63-14338	10-1
ASD-TDR-62-522	N63-15030	11-0
ASD-TDR-62-522, APPEND.	N63-15188	11-0
ASD-TDR-62-526	N63-10149	01-2
ASD-TDR-62-526, PT. II	N63-18899	18-0
ASD-TDR-62-534	N63-16045	13-1
ASD-TDR-62-535	N63-15064	11-1
ASD-TDR-62-540	N63-16102	13-0
ASD-TDR-62-553	N63-10422	01-0
ASD-TDR-62-561	N63-14056	09-1
ASD-TDR-62-575	N63-10741	02-0
ASD-TDR-62-578	N63-14057	09-2
ASD-TDR-62-583	N63-11341	03-1
ASD-TDR-62-594, PT. II	N63-17882	16-1
ASD-TDR-62-600	N63-10616	02-0
ASD-TDR-62-606	N63-19738	19-2
ASD-TDR-62-608, PT. I	N63-11563	04-1
ASD-TDR-62-614	N63-13505	08-3
ASD-TDR-62-617	N63-11570	04-1
ASD-TDR-62-627	N63-11409	03-3
ASD-TDR-62-650	N63-16332	13-1
ASD-TDR-62-667	N63-12286	05-1
ASD-TDR-62-668	N63-12709	06-0
ASD-TDR-62-670	N63-10665	02-1
ASD-TDR-62-683	N63-10150	01-2
ASD-TDR-62-685	N63-17985	16-1
ASD-TDR-62-686	N63-14867	11-2
ASD-TDR-62-687	N63-16308	13-0
ASD-TDR-62-700	N63-12406	06-1
ASD-TDR-62-710	N63-15838	13-1
ASD-TDR-62-731	N63-15372	12-1
ASD-TDR-62-732	N63-17304	15-1
ASD-TDR-62-734	N63-11786	04-1
ASD-TDR-62-756	N63-13198	07-1
ASD-TDR-62-763	N63-13555	08-3
ASD-TDR-62-765	N63-13773	08-1
ASD-TDR-62-774	N63-12256	05-3
ASD-TDR-62-781	N63-10662	02-1
ASD-TDR-62-787	N63-16370	14-2
ASD-TDR-62-792, VOL. I	N63-18107	16-1
ASD-TDR-62-792, VOL. II	N63-15882	13-1
ASD-TDR-62-793	N63-11923	04-1
ASD-TDR-62-794	N63-10516	01-1
ASD-TDR-62-801	N63-21115	21-0
ASD-TDR-62-829	N63-14058	09-3
ASD-TDR-62-830	N63-14889	11-1
ASD-TDR-62-834	N63-17883	16-3
ASD-TDR-62-837	N63-14522	10-0
ASD-TDR-62-838	N63-16412	14-2
ASD-TDR-62-843	N63-16048	13-1
ASD-TDR-62-858	N63-12308	05-1
ASD-TDR-62-859	N63-12309	05-1
ASD-TDR-62-860	N63-17563	16-2
ASD-TDR-62-865	N63-13841	09-3
ASD-TDR-62-868	N63-19198	18-1
ASD-TDR-62-869	N63-17000	15-1
ASD-TDR-62-873	N63-12260	05-0
ASD-TDR-62-876	N63-16889	14-1
ASD-TDR-62-877	N63-16108	13-0
ASD-TDR-62-882	N63-16269	13-1
ASD-TDR-62-888	N63-17667	16-1
ASD-TDR-62-899	N63-16064	13-0
ASD-TDR-62-900	N63-16998	15-1
ASD-TDR-62-915	N63-14923	11-0
ASD-TDR-62-924	N63-13113	07-1
ASD-TDR-62-930	N63-16714	14-1
ASD-TDR-62-962	N63-15807	13-1
ASD-TDR-62-968	N63-15940	13-1
ASD-TDR-62-973	N63-13063	07-3
ASD-TDR-62-977	N63-23809	24-2
ASD-TDR-62-978	N63-16404	14-2
ASD-TDR-62-1002	N63-17932	16-0
ASD-TDR-62-1004	N63-15689	12-1
ASD-TDR-62-1005	N63-21173	21-2
ASD-TDR-62-1013	N63-16480	14-3
ASD-TDR-62-1015	N63-18832	18-3
ASD-TDR-62-1018	N63-15750	12-1
ASD-TDR-62-1023	N63-13009	07-0

ASD-TDR-62-1026	N63-14768	11-25
ASD-TDR-62-1027	N63-11878	04-26
ASD-TDR-62-1029	N63-15713	12-33
ASD-TDR-62-1030	N63-17181	15-33
ASD-TDR-62-1031	N63-16578	14-33
ASD-TDR-62-1040	N63-16486	14-07
ASD-TDR-62-1041	N63-12170	05-26
ASD-TDR-62-1042	N63-12171	05-26
ASD-TDR-62-1067	N63-15808	13-07
ASD-TDR-62-1075	N63-14649	10-18
ASD-TDR-62-1078	N63-19884	19-24
ASD-TDR-62-1086	N63-18028	16-18
ASD-TDR-62-1087, PT. I	N63-13209	07-18
ASD-TDR-62-1096	N63-13490	08-33
ASD-TDR-62-1098	N63-13491	08-34
ASD-TDR-62-1102	N63-16117	13-02
ASD-TDR-62-1105	N63-13757	08-27
ASD-TDR-62-1111	N63-14245	10-18
ASD-TDR-63-37	N63-22902	23-24
ASD-TDR-63-41	N63-22638	23-23
ASD-TDR-63-46	N63-23427	24-02
ASD-TDR-63-54	N63-17473	15-06
ASD-TDR-63-59	N63-16110	13-09
ASD-TDR-63-63	N63-14301	10-20
ASD-TDR-63-65	N63-15524	12-07
ASD-TDR-63-70	N63-18806	18-16
ASD-TDR-63-74	N63-14102	09-22
ASD-TDR-63-75	N63-19799	19-06
ASD-TDR-63-85	N63-22390	23-06
ASD-TDR-63-87	N63-20680	20-09
ASD-TDR-63-90	N63-22040	22-18
ASD-TDR-63-91	N63-14055	09-10
ASD-TDR-63-93	N63-21426	22-33
ASD-TDR-63-101	N63-16576	14-18
ASD-TDR-63-113	N63-17060	15-07
ASD-TDR-63-115	N63-15711	12-06
ASD-TDR-63-119	N63-15626	12-01
ASD-TDR-63-128	N63-20788	21-20
ASD-TDR-63-131	N63-16403	14-02
ASD-TDR-63-132	N63-16322	13-17
ASD-TDR-63-138	N63-17893	16-25
ASD-TDR-63-154	N63-16402	14-10
ASD-TDR-63-159	N63-18332	17-03
ASD-TDR-63-160	N63-16496	14-17
ASD-TDR-63-182	N63-16360	14-20
ASD-TDR-63-188	N63-18792	18-18
ASD-TDR-63-191	N63-16742	14-06
ASD-TDR-63-194	N63-18993	18-16
ASD-TDR-63-196	N63-18061	16-26
ASD-TDR-63-204	N63-18627	17-18
ASD-TDR-63-205	N63-23624	24-09
ASD-TDR-63-208	N63-17913	16-25
ASD-TDR-63-212	N63-14893	11-07
ASD-TDR-63-215	N63-14306	10-25
ASD-TDR-63-221	N63-15325	12-33
ASD-TDR-63-230	N63-18106	16-10
ASD-TDR-63-232	N63-16455	14-18
ASD-TDR-63-233	N63-16400	14-30
ASD-TDR-63-236	N63-18104	16-10
ASD-TDR-63-238	N63-18079	16-18
ASD-TDR-63-245	N63-19463	19-33
ASD-TDR-63-252	N63-17021	15-33
ASD-TDR-63-267	N63-15961	13-33
ASD-TDR-63-273	N63-16712	14-07
ASD-TDR-63-287	N63-19427	19-06
ASD-TDR-63-288	N63-18680	17-15
ASD-TDR-63-290	N63-17235	15-07
ASD-TDR-63-296	N63-15881	13-18
ASD-TDR-63-297	N63-16905	14-18
ASD-TDR-63-306	N63-16996	15-23
ASD-TDR-63-309, PT. I	N63-16925	14-18
ASD-TDR-63-322	N63-18116	16-07
ASD-TDR-63-325	N63-22130	22-07
ASD-TDR-63-329	N63-23314	24-01
ASD-TDR-63-334, PT. I	N63-21694	22-02
ASD-TDR-63-334, PT. II	N63-21693	22-02
ASD-TDR-63-334, PT. III	N63-21692	22-02
ASD-TDR-63-334, PT. VI	N63-21691	22-02
ASD-TDR-63-343, PT. I	N63-19777	19-18
ASD-TDR-63-358	N63-19041	18-18
ASD-TDR-63-360	N63-16904	14-18
ASD-TDR-63-361	N63-18088	16-18
ASD-TDR-63-371	N63-20118	20-25
ASD-TDR-63-380	N63-20703	21-33
ASD-TDR-63-404	N63-19333	18-13
ASD-TDR-63-411	N63-20305	20-33
ASD-TDR-63-428, PT. I	N63-22446	23-27
ASD-TDR-63-428, PT. II	N63-22445	23-27
ASD-TDR-63-442	N63-21788	22-09
ASD-TDR-63-454	N63-22591	23-29
ASD-TDR-63-456	N63-18783	18-10
ASD-TDR-63-459	N63-21802	22-19
ASD-TDR-63-473	N63-18802	18-18
ASD-TDR-63-474	N63-19464	19-17
ASD-TDR-63-490	N63-20771	21-33
ASD-TDR-63-491	N63-22391	23-17
ASD-TDR-63-493	N63-18787	18-18
ASD-TDR-63-509, PT. 1	N63-21302	21-18
ASD-TDR-63-515	N63-21441	22-33
ASD-TDR-63-516, VOL. 1	N63-20239	20-06
ASD-TDR-63-530	N63-23132	24-13
ASD-TDR-63-537	N63-21437	22-29
ASD-TDR-63-550	N63-19747	19-13
ASD-TDR-63-559	N63-19866	19-33
ASD-TDR-63-560	N63-21712	22-06
ASD-TDR-63-565	N63-20417	20-17
ASD-TDR-63-567	N63-23112	24-18
ASD-TDR-63-574	N63-22592	23-13
ASD-TDR-63-601	N63-19887	19-17
ASD-TDR-63-605, PT. I	N63-21233	21-18
ASD-TDR-63-616	N63-18793	18-07
ASD-TDR-63-635	N63-20007	19-18
ASD-TDR-63-646	N63-21705	22-33
ASD-TDR-63-647	N63-22593	23-33
ASD-TDR-63-674	N63-22486	23-33
ASD-TDR-63-707	N63-23692	24-23
ASD-TDR-63-716	N63-21300	21-17
ASD-TDR-63-723	N63-23693	24-23
ASD-TDR-63-750	N63-22400	23-27
ASD-TDR-63-753, PT. I	N63-23407	24-18
ASD-TDR-63-789	N63-23663	24-18
ASD-TDR-63-798	N63-22903	23-18
ASD-TDR-63-802	N63-23365	24-13
ASD-TDR-63-845	N63-23137	24-08
ASD-TDR-63-852, VOL. I	N63-22485	23-33
ASD-TDR-63-866	N63-23088	24-16
ASD-TDR-763	N63-10091	01-34
ASD-TN-61-101	N63-11568	04-20
ASD-TN-61-117, PT. IV	N63-18721	17-33
ASD-TN-61-156	N63-12751	06-15
ASD-TR-7-532A/1X/	N63-14886	11-18
ASD-TR-7-532A/V/	N63-14882	11-18
ASD-TR-7-532A/VI/	N63-14883	11-18
ASD-TR-7-532A/VII/	N63-14884	11-18
ASD-TR-7-532A/VIII/	N63-14885	11-18
ASD-TR-7-678/II/	N63-15255	12-18
ASD-TR-7-678/III/	N63-15177	11-17
ASD-TR-7-678/IV/	N63-16901	14-18
ASD-TR-7-797/IX/	N63-22820	23-18
ASD-TR-7-840A/VII/	N63-13706	08-07
ASD-TR-7-840A/X/	N63-20643	20-26
ASD-TR-7-945/I/	N63-16047	13-34
ASD-TR-7-995 /1/	N63-14074	09-07
ASD-TR-7-995/11/	N63-15830	13-07
ASD-TR-7-995 /III/	N63-18347	17-07
ASD-TR-7-995/IV/	N63-22723	23-19
ASD-TR-61-11, VOL. III	N63-12708	06-06
ASD-TR-61-114, PT. II	N63-15335	12-22
ASD-TR-61-150, PT. II	N63-11569	04-26
ASD-TR-61-181, PT. III	N63-19656	19-18
ASD-TR-61-187, PT. II	N63-17682	16-13
ASD-TR-61-203, PT. II	N63-15715	12-18
ASD-TR-61-277	N63-15680	12-09
ASD-TR-61-278	N63-21403	22-26
ASD-TR-61-278, SUPPL. 1	N63-11160	03-26
ASD-TR-61-313, PT. II	N63-15878	13-18
ASD-TR-61-436, PT. 1	N63-15065	11-18
ASD-TR-61-436, PT. II	N63-15545	12-18
ASD-TR-61-445, PT. II	N63-14800	11-13
ASD-TR-61-446	N63-13665	08-19
ASD-TR-61-446, PT. II	N63-19063	18-18
ASD-TR-61-487	N63-16853	14-15
ASD-TR-61-553	N63-10481	01-08
ASD-TR-61-566	N63-10743	02-18
ASD-TR-61-630	N63-13664	08-23
ASD-TR-61-631	N63-15738	12-09
ASD-TR-61-645	N63-11058	03-01
ASD-TR-61-667, VOL. III	N63-14602	10-33
ASD-TR-61-678	N63-13077	07-17
ASD-TR-61-686, PT. I	N63-11446	03-18
ASD-TR-61-692	N63-10645	02-34
ASD-TR-61-705	N63-10194	01-17
ASD-TR-61-711	N63-20664	20-08
ASD-TR-61-713	N63-15494	12-18
ASD-TR-61-713, PT. II	N63-16690	14-33
ASD-TR-61-725	N63-15333	12-33
ASD-TR-62-68	N63-10422	01-06
ASD-TR-62-520	N63-11602	04-18

ASD-TR-62-795 SECT. II	N63-10705	02-17
ASD-TR-63-7-741, VOL. 1	N63-20596	20-09
ASD-TR-63-7-741, VOL. 2	N63-20582	20-09
ASD-TR-408, SUPPL. 1	N63-12157	05-26
ASD-TRD-62-481	N63-14230	09-18
ASG-TM-61-43R	N63-12633	06-29
ASG-TM-61-91	N63-12696	06-29
ASME PAPER-62-WA-289	N63-13431	08-33
ASRCE-TM-62-24	N63-21386	22-18
ASRL-TR-94-3	N63-13298	07-33
ASRL-TR-94-4	N63-10188	01-33
ASRL-TR-106-1	N63-18686	17-11
ASRL-TR-1007	N63-14191	09-27
ASRL-TR-1008	N63-16683	14-11
ASRL-TR-1009	N63-18254	17-11
ASRL-TR-1013	N63-23009	24-11
ASRMCM-TM-62-11	N63-12683	06-30
ASRMCM-TM-63-1	N63-18155	16-31
ASRMDD-TM-62-32	N63-14960	11-02
ASRMDD-TM-63-31	N63-16827	14-15
ASRMDS-TM-62-4	N63-17670	16-34
AST-3530-101-63U	N63-21649	22-11
AT-7	N63-15376	12-10
ATC-ARTC-32	N63-20579	20-33
ATL-D-786	N63-11807	04-25
ATL-D-811	N63-12288	05-15
ATL-D-861	N63-11421	03-15
ATN-63/9206/-2	N63-10564	01-11
ATN-63/9206/-3	N63-12087	05-13
ATN-63/9220/-6	N63-19727	19-11
ATN-63/9227/-1	N63-17681	16-24
ATN-63/9227/-3	N63-19602	19-11
ATN-64/9236/-2	N63-21261	21-19
ATN-64/9236/-3	N63-22133	22-25
ATR-3	N63-21407	22-26
AU-290-61-RSI	N63-12294	05-01
AVA-61-04	N63-20842	21-04
AVA-62-01	N63-20059	20-03
AVA-62-03	N63-19998	19-03
AVA-RR-62-02	N63-20864	21-02
AVCO-EVERETT RES. REPT.-138	N63-16511	14-11
AVCO-EVERETT RES. REPT.-139	N63-10068	01-02
AVCO-EVERETT RES. REPT.-140	N63-10758	02-11
AVCO-EVERETT RES. REPT.-141	N63-10886	02-23
AVCO-EVERETT RES. REPT.-142	N63-10887	02-07
AVCO-EVERETT RES. REPT.-143	N63-17189	15-13
AVCO-EVERETT RES. REPT.-144	N63-16536	14-13
AVCO-EVERETT RES. REPT.-145	N63-17188	15-11
AVCO-EVERETT RES. REPT.-147	N63-14571	10-23
AVCO-EVERETT RES. REPT.-148	N63-15379	12-24
AVCO-EVERETT RES. REPT.-149	N63-14894	11-23
AVCO-EVERETT RES. REPT.-152	N63-17463	15-11
AVCO-EVERETT RES. REPT.-153	N63-20060	20-24
AVCO-EVERETT RES. REPT.-154	N63-19911	19-11
AVCO-EVERETT RES. REPT.-155	N63-22200	23-11
AVCO-EVERETT RES. REPT.-156	N63-23019	24-30
AVCO-EVERETT RES. REPT.-158	N63-20946	21-23
AVCO-EVERETT RES. REPT.-160	N63-22846	23-09
AVCO-EVERETT RES. REPT.-161	N63-22201	23-25
AVCO-EVERETT RES. REPT.-162	N63-22202	23-25
AVCO-EVERETT RES. REPT.-163	N63-23096	24-11
AVCO-EVERETT RES. REPT.-164	N63-23343	24-23
AVCO-EVERETT RES. REPT.-165	N63-23433	24-09
AVD-937-100A	N63-20008	19-11
AWFL-RTD-TDR-63-3025	N63-18778	18-29
AWS-TR-165	N63-11444	03-19
AWS-TR-166	N63-14575	10-21
AWS-TR-170	N63-23079	24-21
AWS-TR-171	N63-23066	24-21
AY62-0031	N63-21913	22-31
B-2	N63-22790	23-3[illegible]
B-195	N63-19285	18-1[illegible]
B-201	N63-19062	18-1[illegible]
B-2596	N63-22379	23-[illegible]
B-110053-3	N63-19040	18-2[illegible]
B-910068-1	N63-20124	20-1[illegible]
B-910068-3	N63-21181	21-1[illegible]
B2130-T-1	N63-23078	24-[illegible]
BALLISTICS RES. REPT.-63	N63-14492	10-0[illegible]
BALLISTICS RES. REPT.-65	N63-21289	21-0[illegible]
BALLISTICS RES. REPT.-67	N63-18344	17-2[illegible]
BALLISTICS RES. REPT.-76	N63-14176	09-3[illegible]
BALLISTICS RES. REPT.-79	N63-22236	23-1[illegible]
BALLISTICS RES. REPT.-83	N63-17625	16-2[illegible]
BALLISTICS RES. REPT.-86	N63-14627	10-1[illegible]
BALLISTICS RES. REPT.-93	N63-20420	20-1[illegible]
BALLISTICS RES. REPT.-99	N63-20822	21-0[illegible]
BALLISTICS RES. REPT.-109	N63-22187	23-1[illegible]
BALLISTICS RES. REPT.-111	N63-22189	23-1[illegible]
BALLISTICS RES. REPT.-113	N63-22494	23-0[illegible]
BAMIRAC-4613-20-R	N63-18988	18-1[illegible]
BATT-4673-T1	N63-15253	12-1[illegible]
BAW-1260	N63-12457	06-2[illegible]
BAW-1266	N63-15823	13-2[illegible]
BAW-1271	N63-18828	18-2[illegible]
BAW-2168	N63-17445	15-2[illegible]
BB-311	N63-12215	05-2[illegible]
BB-316	N63-14270	10-1[illegible]
BB-318	N63-23174	24-0[illegible]
BBC-115	N63-14621	10-0[illegible]
BBE63-001	N63-16313	13-2[illegible]
BBE63-002	N63-15369	12-2[illegible]
BBN-978	N63-15657	12-0[illegible]
BBN-1054	N63-22525	23-1[illegible]
BDM-BQ-101	N63-18151	16-2[illegible]
BEC-4674	N63-13640	08-1[illegible]
BEC-4696	N63-21387	22-2[illegible]
BENDIX RLD-2055	N63-11877	04-1[illegible]
BIB-2	N63-20048	19-1[illegible]
BIB-3	N63-20049	19-1[illegible]
BIB-4	N63-20050	19-1[illegible]
BIB-6	N63-20051	19-1[illegible]
BIB-7	N63-20052	19-1[illegible]
BIB-7/SUPPL./	N63-20053	19-0[illegible]
BIB-9	N63-20054	20-1[illegible]
BIB-10	N63-20055	20-1[illegible]
BIB-11	N63-20056	20-1[illegible]
BIB-12	N63-20057	20-1[illegible]
BIB-13	N63-19105	18-1[illegible]
BM-IC-8137	N63-22477	23-2[illegible]
BM-IC-8146	N63-12769	06-2[illegible]
BM-IC-8166	N63-16978	14-2[illegible]
BM-RI-5701	N63-17562	16-1[illegible]
BM-RI-5934	N63-17886	16-0[illegible]
BM-RI-5964	N63-17890	16-0[illegible]
BM-RI-5966	N63-17888	16-1[illegible]
BM-RI-5972	N63-17889	16-0[illegible]
BM-RI-5984	N63-18297	17-2[illegible]
BM-RI-6001	N63-17885	16-0[illegible]
BM-RI-6009	N63-18682	17-1[illegible]
BM-RI-6080	N63-17887	16-0[illegible]
BM-RI-6095	N63-10126	01-1[illegible]
BM-RI-6101	N63-10127	01-1[illegible]
BM-RI-6111	N63-11691	04-1[illegible]
BM-RI-6115	N63-11336	03-1[illegible]
BM-RI-6116	N63-10410	01-1[illegible]
BM-RI-6122	N63-10969	02-1[illegible]
BM-RI-6133	N63-11695	04-1[illegible]
BM-RI-6142	N63-11854	04-1[illegible]
BM-RI-6143	N63-11332	03-2[illegible]
BM-RI-6147	N63-11734	04-2[illegible]
BM-RI-6148	N63-11855	04-0[illegible]
BM-RI-6149	N63-11961	05-1[illegible]
BM-RI-6151	N63-12349	05-1[illegible]

BM-RI-6153	N63-12431	06-07
BM-RI-6154	N63-12375	06-18
BM-RI-6155	N63-12176	05-18
BM-RI-6157	N63-12432	06-19
BM-RI-6161	N63-12407	06-07
BM-RI-6162	N63-12408	06-07
BM-RI-6170	N63-12719	06-18
BM-RI-6171	N63-12778	06-19
BM-RI-6174	N63-12779	06-19
BM-RI-6175	N63-12780	06-18
BM-RI-6177	N63-12781	06-19
BM-RI-6178	N63-13029	07-07
BM-RI-6180	N63-13148	07-23
BM-RI-6181	N63-13459	08-15
BM-RI-6182	N63-13038	07-07
BM-RI-6183	N63-13166	07-18
BM-RI-6191	N63-13149	07-23
BM-RI-6192	N63-14200	09-11
BM-RI-6195	N63-13311	07-18
BM-RI-6197	N63-13312	07-23
BM-RI-6198	N63-13313	07-23
BM-RI-6200	N63-13536	08-23
BM-RI-6209	N63-14045	09-07
BM-RI-6212	N63-14255	10-15
BM-RI-6219	N63-15645	12-18
BM-RI-6224	N63-15378	12-18
BM-RI-6228	N63-15398	12-18
BM-RI-6230	N63-15723	12-18
BM-RI-6231	N63-15512	12-18
BM-RI-6232	N63-17621	16-18
BM-RI-6240	N63-16488	14-23
BM-RI-6241	N63-16796	14-18
BM-RI-6242	N63-16583	14-07
BM-RI-6245	N63-17690	16-23
BM-RI-6248	N63-17453	15-07
BM-RI-6249	N63-17714	16-07
BM-RI-6251	N63-17454	15-07
BM-RI-6254	N63-19236	18-18
BM-RI-6255	N63-18380	17-13
BM-RI-6256	N63-18719	17-18
BM-RI-6259	N63-19601	19-07
BM-RI-6260	N63-19740	19-07
BM-RI-6262	N63-18901	18-18
BM-RI-6277	N63-19800	19-07
BM-RI-6284	N63-21207	21-19
BM-RI-6287	N63-21711	22-13
BM-RI-6295	N63-21697	22-19
BM-RI-6301	N63-22470	23-18
BM-RI-6303	N63-22471	23-18
BM-RI-6304	N63-22239	23-19
BM-RI-6308	N63-22235	23-18
BM-RI-6313	N63-23618	24-19
BM-RI-6314	N63-23613	24-07
BM-RI-6316	N63-23714	24-13
BMI-1602	N63-10747	02-18
BMI-1603/DEL./	N63-13309	07-01
BMI-1606	N63-11729	04-17
BMI-1607/DEL./	N63-13373	08-01
BMI-1608	N63-12687	06-26
BMI-1609	N63-12998	07-18
BMI-1610	N63-12999	07-19
BMI-1611	N63-14719	11-18
BMI-1613	N63-13208	07-23
BMI-1614/DEL./	N63-16447	14-23
BMI-1616	N63-13574	08-18
BMI-1619/DEL./	N63-15965	13-26
BMI-1620	N63-14280	10-23
BMI-1621	N63-13973	09-18
BMI-1623	N63-15531	12-23
BMI-1624/DEL./	N63-17440	15-07
BMI-1625	N63-16387	14-07
BMI-1626	N63-15790	13-18
BMI-1627	N63-15969	13-17
BMI-1628	N63-16784	14-33
BMI-1630	N63-17999	16-01
BMI-1632/DEL./	N63-19723	19-23
BMI-1633	N63-21163	21-19
BMI-1634	N63-18817	18-23
BMI-1636	N63-21714	22-18
BMI-1637	N63-18838	18-17
BMI-1638	N63-22070	22-23
BMI-1639/DEL./	N63-23710	24-01
BMI-1642/DEL./	N63-22622	23-23
BMI-1643	N63-22071	22-26
BMI-1646	N63-21679	22-18
BMI-1647	N63-21678	22-26
BMI-1648	N63-22623	23-01
BMI-1649	N63-22904	23-18
BMRI-5707	N63-14981	11-13
BMRI-6220	N63-14745	11-19
BN-289	N63-11567	04-20
BN-290	N63-12077	05-05
BN-291	N63-12078	05-05
BN-296	N63-10411	01-20
BN-301	N63-12042	05-24
BN-307	N63-11806	04-23
BN-313	N63-15230	11-11
BNL-400, VOL. I	N63-17773	16-23
BNL-639/T-2010/	N63-12333	05-07
BNL-710/T-247/	N63-10772	02-05
BNL-742/AS-16/	N63-12924	07-01
BNL-745/T-270/	N63-12334	05-19
BNL-746/T-272/	N63-13551	08-23
BNL-748/T-274/	N63-20926	21-23
BNL-753/T-278/	N63-12335	05-07
BNL-756/C-35/	N63-15001	11-13
BNL-757/T-280/	N63-13552	08-20
BNL-758/T-281/	N63-13553	08-19
BNL-759/S-62/	N63-14890	11-01
BNL-763/T-284/	N63-12336	05-15
BNL-764/T-285/	N63-12337	05-17
BNL-767/C-36/	N63-12925	07-23
BNL-768/N-7/	N63-12338	05-23
BNL-770/T-288/	N63-14951	11-23
BNL-772/T-290/	N63-14947	11-15
BNL-774/T-291/	N63-16376	14-23
BNL-784/T-298/	N63-22389	23-12
BNL-790/C-37/	N63-18295	17-07
BNL-794/T-303/	N63-22232	23-23
BNL-796/T-305/	N63-20958	21-07
BNL-800/T-307/	N63-22233	23-07
BNL-814/PR-3/	N63-20614	20-18
BNL-825/PR-4/	N63-23177	24-18
BNL-6142	N63-15013	11-13
BNL-6149	N63-15024	11-13
BNL-6407	N63-18987	18-09
BOSP-7-4-1	N63-20410	20-04
BR-39	N63-12090	05-20
BR-2121	N63-19184	18-20
BRL-855	N63-22522	23-20
BRL-1163	N63-13285	07-12
BRL-1172	N63-17884	16-20
BRL-1173	N63-13493	08-11
BRL-1176	N63-11733	04-20
BRL-1179	N63-17680	16-33
BRL-1180	N63-12679	06-33
BRL-1182	N63-13048	07-15
BRL-1183	N63-13947	09-20
BRL-1184	N63-19876	19-33
BRL-1186	N63-15673	12-08
BRL-1187	N63-16942	14-04
BRL-1188	N63-22610	23-23
BRL-1192	N63-15370	12-01
BRL-1193	N63-15941	13-02
BRL-1194	N63-17441	15-20
BRL-1196	N63-17761	16-11
BRL-1197, VOL. 1	N63-20383	20-20
BRL-1197, VOL. 2	N63-20384	20-20
BRL-1197, VOL. 3	N63-20385	20-20
BRL-1197, VOL. 4	N63-20386	20-20
BRL-1197, VOL. 5	N63-20387	20-20
BRL-1202	N63-17601	16-11
BRL-1203	N63-19642	19-11
BRL-1206	N63-20742	21-11
BRL-1207	N63-22621	23-20
BRL-1209	N63-22381	23-20
BRL-MEMO-1401	N63-10935	02-11
BRL-MEMO-1425	N63-10213	01-15
BRL-MEMO-1440	N63-13203	07-02
BRL-MEMO-1448	N63-14580	10-15
BRL-MEMO-1449	N63-13915	09-23
BRL-MEMO-1460	N63-17651	16-20
BRL-MEMO-1461	N63-17692	16-33
BRL-MEMO-1466	N63-19516	19-20
BRL-MEMO-1467	N63-17232	15-20
BRL-MEMO-1468	N63-21190	21-05
BRL-MEMO-1485	N63-19746	19-26
BRL-MEMO-1490	N63-21249	21-02
BRL-MEMO-1498	N63-23697	24-33
BRL-MR-1451	N63-15399	12-22
BRL-MR-1464	N63-16206	13-04

BRL-MR-1480	N63-19018	18-18
BRL-MR-1489	N63-21033	21-26
BRL-TN-1473	N63-11800	04-11
BRL-TN-1487	N63-13948	09-17
BRL-TN-1491	N63-16716	14-20
BRL-TN-1505	N63-21219	21-26
BRL-TN-1511	N63-23493	24-09
BRN-1-P	N63-10092	01-13
BRN-2-P	N63-10093	01-23
BRN-3-P	N63-11774	04-23
BRN-4-P	N63-16407	14-11
BRN-5-P	N63-16408	14-11
BRN-6-P	N63-19046	18-11
BRN-7-P	N63-19929	19-25
BSD-TDR-62-105	N63-10068	01-02
BSD-TDR-62-107	N63-10095	01-11
BSD-TDR-62-118	N63-11956	05-11
BSD-TDR-62-165	N63-10109	01-13
BSD-TDR-62-199	N63-10370	01-01
BSD-TDR-62-237	N63-12104	05-15
BSD-TDR-62-270	N63-14304	10-29
BSD-TDR-62-315	N63-16937	14-29
BSD-TDR-62-318	N63-12039	05-15
BSD-TDR-62-329	N63-12451	06-30
BSD-TDR-62-330	N63-12452	06-33
BSD-TDR-62-331	N63-12450	06-30
BSD-TDR-62-337	N63-10758	02-11
BSD-TDR-62-347	N63-16536	14-13
BSD-TDR-62-348	N63-17189	15-13
BSD-TDR-62-349	N63-23019	24-30
BSD-TDR-62-354	N63-14449	10-11
BSD-TDR-63-60	N63-14209	09-25
BSD-TDR-63-62	N63-14201	09-18
BSD-TDR-63-78	N63-18118	16-02
BSD-TDR-63-95	N63-22200	23-11
BSD-TDR-63-100	N63-19911	19-11
BSD-TDR-63-102	N63-23008	24-11
BSD-TDR-63-107	N63-19712	19-23
BSD-TDR-63-108	N63-23096	24-11
BSD-TDR-63-109	N63-20826	21-19
BSD-TDR-63-118	N63-18184	16-27
BSD-TDR-63-124	N63-23434	24-24
BSD-TDR-63-125	N63-20142	20-01
BSD-TDR-63-126	N63-20143	20-01
BSD-TDR-63-127	N63-20144	20-14
BSD-TDR-63-138	N63-21700	22-11
BSD-TDR-63-139	N63-20946	21-23
BSD-TDR-63-147	N63-22201	23-25
BSD-TDR-63-148	N63-22202	23-25
BSD-TDR-63-153	N63-19761	19-11
BSD-TDR-63-170	N63-23343	24-23
BSD-TDR-63-184	N63-23097	24-07
BSD-TDR-63-196	N63-23433	24-09
BVJ-63-001-4	N63-19019	18-19
C-13	N63-13976	09-23
C-14	N63-16874	14-15
C-15	N63-16182	13-15
C-16	N63-15794	13-23
C-17	N63-19922	19-18
C-24-F	N63-22978	23-08
C-1960	N63-12832	06-26
C-63789	N63-20502	20-13
C-64694	N63-13828	09-19
C-646942	N63-14946	11-15
C-646943	N63-14891	11-19
C11-75	N63-16244	13-33
C11-80	N63-10755	02-20
C11-85	N63-12582	06-33
C11-86	N63-18349	17-34
C11-87	N63-18075	16-25
CA-7	N63-17445	15-23
CA-4251-0160, VOL. I	N63-12168	05-17
CA-4251-0160, VOL. II	N63-12169	05-17
CA-4291-0065	N63-16937	14-29
CAL-86-P	N63-13109	07-26
CAL-87-P	N63-22752	23-11
CAL-90-P	N63-19085	18-11
CAL-112	N63-11420	03-11
CAL-124	N63-18751	17-13
CAL-129	N63-22395	23-15
CAL-AA-1506-W-1	N63-19772	19-30
CAL-AD-1345-W-7	N63-21248	21-1[illegible]
CAL-AF-1285-A-9	N63-14623	10-[illegible]
CAL-AF-1285-A-10	N63-19352	18-[illegible]
CAL-AF-1412-A-2	N63-16923	14-[illegible]
CAL-AG-1547-Y-1	N63-19884	19-[illegible]
CAL-AP/RIS-1	N63-19518	19-[illegible]
CAL-BB-1495-S-1	N63-11746	04-[illegible]
CAL-BB-1657-S-1	N63-18745	17-[illegible]
CAL-GM-1580-G-101	N63-15945	13-[illegible]
CAL-HM-1510-Y-/1/	N63-15429	12-[illegible]
CAL-HM-1510-Y-1/1/	N63-15429	12-[illegible]
CAL-IH-1525-P-1	N63-18293	17-[illegible]
CAL-NM-1559-P-2	N63-18026	16-[illegible]
CAL-NM-1559-P-3	N63-18023	16-[illegible]
CAL-NM-1559-P-4	N63-17945	16-[illegible]
CAL-QM-1626-A-2	N63-15784	13-[illegible]
CAL-QM-1626-A-7	N63-15112	11-[illegible]
CAL-QM-1626-A-8	N63-11419	03-[illegible]
CAL-QM-1626-A-10	N63-14172	09-[illegible]
CAL-QM-1626-A-11	N63-19623	19-[illegible]
CAL-QM-1626-A-12/1/	N63-18105	16-[illegible]
CAL-QM-1626-A-12/II/	N63-19511	19-[illegible]
CAL-QM-1626-A-13	N63-19815	19-[illegible]
CAL-RH-1670-A-1	N63-19641	19-[illegible]
CAL-RM-1655-M-4	N63-16887	14-[illegible]
CAL-RM-1788-P	N63-18498	17-[illegible]
CAL-UB-1309-P-108	N63-12760	06-[illegible]
CAL-VC-1609-P-1	N63-14238	10-[illegible]
CAL-VE-1512-G-1	N63-22872	23-[illegible]
CAL-VO-1616-V-1	N63-10944	02-[illegible]
CAL-ZF-1724-X-1	N63-21174	21-[illegible]
CARDE-TM-66/62	N63-11696	04-[illegible]
CARDE-TM-623/61	N63-20729	21-[illegible]
CARDE-TM-627/61	N63-10686	02-[illegible]
CARDE-TM-662/62	N63-12092	05-[illegible]
CARDE-TM-726/63	N63-13160	07-[illegible]
CARDE-TM-740/63	N63-16148	13-[illegible]
CARDE-TN-1459/62	N63-15181	11-26
CARDE-TN-1524	N63-22747	23-23
CARDE-TN-1557/63	N63-19973	19-[illegible]
CARDE-TN-1559/63	N63-17179	15-[illegible]
CARDE-TN-1564/63	N63-20919	21-23
CARDE-TR-465	N63-23333	24-11
CARDE-TR-466	N63-22924	23-24
CARI-62-1	N63-16527	14-16
CARI-62-16	N63-12248	05-14
CARI-62-17	N63-10524	01-16
CARI-62-18	N63-12277	05-16
CARI-62-19	N63-12249	05-16
CARI-62-20	N63-12250	05-16
CARI-62-21	N63-13325	07-16
CARI-63-1	N63-14333	10-16
CARI-63-3	N63-19888	19-16
CARI-63-4	N63-21924	22-16
CARI-63-5	N63-19400	18-16
CARI-63-6	N63-19836	19-16
CARI-63-7	N63-19380	18-08
CCIR-35	N63-11929	04-01
CCL-132	N63-11717	04-07
CCL-133	N63-11718	04-07
CCL-134	N63-11801	04-07
CCL-135	N63-12372	06-07
CCL-136	N63-12373	06-07
CCL-137	N63-12374	06-07
CCL-138	N63-15371	12-07
CCL-140	N63-16255	13-07
CCL-141	N63-16495	14-07
CCL-143	N63-16524	14-17

CCL-146	N63-23719	24-13
CDRL-SP-4-34	N63-10073	01-19
CE/WES-MP-2-524	N63-16383	14-23
CEA-1856	N63-12023	05-16
CER-62ERR62	N63-10499	01-21
CER-D1489	N63-10108	01-22
CERN-63-10	N63-17467	15-15
CERN-63-11	N63-17468	15-25
CERN-63-16	N63-22550	23-20
CERN-63-17	N63-17469	15-15
CERN-63-18	N63-22551	23-23
CERN-63-19	N63-21125	21-23
CERN-63-20	N63-19189	18-23
CERN-63-21	N63-22552	23-20
CERN-63-22	N63-20459	20-23
CERN-63-23	N63-20460	20-23
CERN-63-25	N63-23049	24-15
CERN-63-27	N63-21177	21-23
CERN-63-28	N63-21196	21-23
CETIS-15	N63-13765	08-20
CETIS-33	N63-15647	12-20
CETIS-34	N63-20238	20-09
CETIS-36	N63-17237	15-01
CETIS-40	N63-19915	19-20
CETIS-49	N63-13766	08-20
CETIS-55	N63-11766	04-20
CETIS-56	N63-13805	09-20
CETIS-58	N63-15049	11-20
CEX-58.4.8	N63-16961	14-12
CEX-59.4.16	N63-11713	04-16
CEX-61.6.3.	N63-23751	24-16
CEX-62.6.2	N63-18351	17-23
CF-2986	N63-16541	14-20
CF-2990	N63-11743	04-15
CF-3010	N63-12165	05-17
CIT-ORD-16-TR8	N63-15840	13-20
CL/63/41	N63-18803	18-19
CL-63-41, ADDEND.	N63-19450	19-19
CM-1019	N63-11049	03-02
CM-1020	N63-12604	06-11
CM-1025	N63-14925	11-09
CM-1026	N63-12220	05-29
CM-1027	N63-17100	15-20
CM-1028	N63-13035	07-26
CM-1033	N63-19454	19-11
CM-1034	N63-14921	11-03
CM-1037	N63-19082	18-24
CN-73194	N63-16103	13-01
CN-79095	N63-22207	23-18
CN-83065	N63-18748	17-27
COA-137	N63-14093	09-33
COA-141	N63-20701	21-18
COA-153	N63-20702	21-25
COA-158	N63-20021	19-01
COA-159	N63-19355	18-11
COA-161	N63-19356	18-03
COA-N-127	N63-11284	03-04
COA-N-130	N63-11024	03-13
COA-N-131	N63-11285	03-03
COA-N-133	N63-11286	03-04
COA-N-134	N63-11287	03-11
COA-N-136	N63-21211	21-33
COA-N-140	N63-22361	23-11
COA-N-151, PT. 3	N63-18379	17-19
CP-63-663	N63-14953	11-08
CP-63-693	N63-15707	12-16
CP-583	N63-11925	04-03
CP-607	N63-11926	04-11
CP-609	N63-11927	04-11
CPD-1962/3/W/	N63-19153	18-12
CPD-1962/4/W/	N63-22764	23-12
CPD-1962/5/W/	N63-22748	23-12
CPIA PUBL. 28	N63-22358	23-26
CR-48	N63-17330	15-28
CR-49	N63-12958	07-12
CR-51	N63-11303	03-28
CR-52	N63-16689	14-12
CR-61	N63-15944	13-28
CR-62	N63-15290	12-28
CR-63-547-43	N63-20599	20-09
CR-65	N63-18985	18-29
CRDC-1157	N63-20735	21-16
CRDL-SP-5-1	N63-10436	01-19
CREL-1120	N63-20700	21-09
CREL-1145	N63-20020	19-08
CRFD-1164	N63-22746	23-26
CRRD-1109	N63-16597	14-15
CRREL-124	N63-22979	23-21
CRREL-III-A4	N63-22639	23-10
CRRIS-1150	N63-22766	23-15
CRRP-1147	N63-17178	15-20
CRRP-1159	N63-21377	22-23
CRSR-130	N63-12033	05-24
CRSR-137	N63-18153	16-21
CRSR-138	N63-15936	13-29
CRSR-139	N63-14087	09-29
CRSR-140	N63-16731	14-29
CSIR-T-26	N63-15368	12-08
CTR-00-270	N63-16676	14-27
CTR.00-272	N63-22832	23-13
CU-1-62-ONR-266/34/-CE	N63-10646	02-23
CU-1-62-ONR-266/86/-CE	N63-12306	05-11
CU-1-63-AF-2461-EE	N63-18893	18-23
CU-1-63-ONR-266/86/-CE	N63-12307	05-11
CU-2-62	N63-10647	02-23
CU-2-62-NASA-112-ERL	N63-12378	06-16
CU-2-63-ONR-266/34/-CE	N63-18881	18-33
CU-2-63 ONR-266/86/-CE	N63-21286	21-23
CU-3-62-ONR-266/34/-CE/A	N63-12161	05-23
CU-3-62-ONR-266/34/-CE/B	N63-19112	18-23
CU-3-62-SC-78330	N63-11433	03-23
CU-3-63-ONR-266/34/-CE	N63-23133	24-33
CU-3-63-ONR-266/86/-CE	N63-21283	21-33
CU-6-63-SC-90789	N63-20033	19-23
CU-15-62-ONR-266/78/-CE	N63-11873	04-33
CU-16-62-ONR-266/78/-CE	N63-11874	04-33
CU-17-62-ONR-266/78/-CE	N63-11875	04-23
CU-23-62-ONR-266/20/-CE	N63-14520	10-13
CU-7356	N63-10699	02-07
CU-7470	N63-15203	11-07
CU/PNPL/-227	N63-22858	23-23
CVC-2-53420/2R400	N63-15912	13-33
CVC-2-53420/3R411	N63-15913	13-33
CVC-2-53420/3R436	N63-15914	13-33
CW-R&DL-31	N63-17556	16-18
CX-59	N63-12147	05-23
D1-82-0138	N63-10089	01-11
D1-82-0147	N63-14534	10-24
D1-82-0168	N63-16928	14-11
D1-82-0170	N63-16467	14-24
D1-82-0173	N63-16930	14-24
D1-82-0192	N63-10082	01-24
D1-82-0205	N63-16842	14-11
D1-82-0208	N63-16351	14-20
D1-82-0222	N63-19324	18-23
D1-82-0230	N63-16205	13-02
D1-82-0239	N63-18750	17-11
D1-82-0242	N63-17400	15-02
D2-9878-3	N63-20231	20-09
D2-9878-4	N63-20812	21-23
D2-13029	N63-18333	17-27
D2-22006	N63-20313	20-13
D2-22040	N63-18717	17-02

D2-22437	N63-18626	17-33
D2-35105	N63-18650	17-19
D2-90037	N63-20172	20-28
D2-90389	N63-16032	13-09
D3-3512-3	N63-16174	13-14
D6-4080-2	N63-16075	13-17
D6-4093	N63-16889	14-18
D6-4140	N63-23809	24-25
D6-7502-3	N63-18078	16-18
D-709582	N63-23369	24-23
D228-421-011	N63-11853	04-15
D228-421-012	N63-11955	05-15
D228-421-013	N63-12300	05-15
D7123-953002	N63-18246	17-14
DA-G36	N63-15054	11-18
DA-G400	N63-20708	21-25
DAC-30932	N63-13829	09-33
DAC-31041	N63-10072	01-34
DAC-31044	N63-13966	09-33
DAC-31150	N63-13924	09-33
DAMP-TM-62-13	N63-11564	04-08
DAMP-TM-62-27	N63-15757	12-30
DASA-1287	N63-16311	13-34
DASA-1299	N63-12182	05-33
DASA-1312	N63-12238	05-16
DASA-1313	N63-12240	05-16
DASA-1322	N63-10884	02-11
DASA-1325	N63-17508	16-16
DASA-1326	N63-10885	02-11
DASA-1329	N63-10676	02-23
DASA-1330	N63-10677	02-15
DASA-1332	N63-11406	03-23
DASA-1334	N63-12281	05-16
DASA-1335	N63-12239	05-16
DASA-1336	N63-14840	11-26
DASA-1342	N63-14950	11-09
DASA-1348	N63-13058	07-23
DASA-1357/1/	N63-15835	13-01
DASA-1357/IV/	N63-17321	15-23
DASA-1360	N63-20338	20-23
DASA-1369	N63-21112	21-26
DASA-1377	N63-17722	16-12
DASA-1378	N63-21020	21-26
DASA-1393-1	N63-22630	23-12
DASA-1397	N63-22243	23-11
DASA-8653	N63-22190	23-08
DAVIDSON LAB. REPT.-888	N63-22229	23-23
DC-12-011	N63-23770	24-04
DCAS-TDR-62-7	N63-15920	13-29
DCAS-TDR-62-19	N63-15705	12-07
DCAS-TDR-62-26	N63-16134	13-02
DCAS-TDR-62-27	N63-18119	16-29
DCAS-TDR-62-44	N63-18718	17-27
DCAS-TDR-62-46	N63-15871	13-24
DCAS-TDR-62-77	N63-16491	14-11
DCAS-TDR-62-88	N63-10706	02-24
DCAS-TDR-62-133	N63-10680	02-11
DCAS-TDR-62-167	N63-10682	02-24
DCAS-TDR-62-190	N63-12920	07-30
DCAS-TN-61-3, VOL. II	N63-12222	05-27
DCAS-TN-61-3 /II PT 1-4/	N63-14539	10-01
DEL-13-P	N63-17524	16-11
DF-12-111	N63-23555	24-33
DF62SE106	N63-21440	22-33
DF62SL322	N63-18231	17-18
DFL-62/35	N63-10012	01-03
DFL-159	N63-14531	10-03
DFL-167	N63-15962	13-04
DFL-169	N63-16300	13-29
DFL-184	N63-14352	10-20
DFL-185	N63-14370	10-27
DFL-188	N63-14438	10-04
DFL-189	N63-14439	10-03
DFL-190	N63-14440	10-03
DFL-191	N63-14442	10-03
DFL-192	N63-14578	10-19
DFL-193	N63-14353	10-04
DFL-195	N63-14614	10-11
DFL-202	N63-15228	11-11
DFL-203	N63-16301	13-05
DFL-204	N63-16420	14-11
DFL-207	N63-22249	23-14
DFL-210	N63-20261	20-06
DFL-213	N63-20916	21-01
DI-82-0148	N63-14656	10-29
DI-82-0165	N63-10100	01-11
DI-82-0169	N63-20368	20-12
DI-82-0202	N63-10101	01-7[illegible]
DI-82-0220	N63-12369	06-02
DI-82-0223	N63-14212	09-03
DI-82-0224	N63-15521	12-1[illegible]
DI-82-0228	N63-21696	22-29
DI-82-0255	N63-22837	23-2[illegible]
DI-82-0275	N63-20314	20-03
DI-82-0277	N63-20969	21-07
DI-88-0232	N63-15753	12-03
DI-204-24	N63-20424	20-03
DIT-125-3	N63-17726	16-20
DIT-125-4	N63-17099	15-11
DK-532526	N63-14614	10-11
DL-82-0225	N63-16450	14-2[illegible]
DL-82-0284	N63-22325	23-03
DM 62-126	N63-15682	12-27
DM-62-238	N63-10549	01-07
DM-63-1	N63-13813	09-11
DME/NAE-1962/3/	N63-10683	02-01
DME/NAE-1962/4/	N63-13997	09-01
DME/NAE-1963/1/	N63-18066	16-01
DMIC-152	N63-16586	14-18
DMIC-176	N63-23361	24-33
DMIC-177, VOL. 1	N63-11915	04-13
DMIC-177, VOL. 2	N63-11916	04-13
DMIC-178	N63-11120	03-27
DMIC-179	N63-18251	17-17
DMIC-180	N63-11964	05-27
DMIC-181	N63-12583	06-18
DMIC-182	N63-17587	16-18
DMIC-183	N63-16586	14-19
DMIC-184	N63-20994	21-19
DMIC-185	N63-23111	24-18
DMIC-MEMO-63	N63-18193	16-13
DMIC-MEMO-152	N63-10102	01-17
DMIC-MEMO-160	N63-10282	01-18
DMIC-MEMO-161	N63-12184	05-33
DMIC-MEMO-162	N63-12296	05-18
DMIC-MEMO-163	N63-13071	07-26
DMIC-MEMO-164	N63-13503	08-33
DMIC-MEMO-165	N63-14283	10-18
DMIC-MEMO-166	N63-19030	18-18
DMIC-MEMO-167	N63-18193	16-13
DMIC-MEMO-168	N63-18631	17-18
DMIC-MEMO-169	N63-20426	20-18
DMIC-MEMO-172	N63-22444	23-18
DMIC-MEMO-173	N63-22817	23-18
DMIC-MEMO-174	N63-22818	23-18
DMIC-MEMO-175	N63-22819	23-18
DOFL-R940-62-2	N63-11675	04-09
DOMIIT-1-22	N63-14468	10-33
DOMIIT-1-23	N63-18253	17-32
DOMIIT-1-24	N63-18202	16-33
DP-511	N63-11236	03-07
DP-732	N63-14281	10-07
DP-788	N63-11816	04-23
DP-792	N63-15374	12-15
DP-795	N63-11817	04-23
DP-798	N63-20396	20-09
DP-800	N63-12937	07-15
DP-802	N63-19282	18-18
DP-804	N63-12713	06-20
DP-811	N63-11818	04-23
DP-813	N63-15556	12-18
DP-814	N63-15557	12-15
DP-817	N63-13977	09-23
DP-820	N63-15409	12-17
DP-821	N63-19634	19-09
DP-822	N63-21037	21-20
DP-831	N63-19722	19-07
DP-861	N63-23117	24-16

DR-31	N63-22476	23-08
DRI-2068	N63-10289	01-18
DRI-2115	N63-23626	24-19
DRL-490	N63-11743	04-15
DRL-498	N63-12165	05-17
DRL-A-202	N63-14398	10-23
DRL-TR-62-214, VOL. I	N63-19240	18-10
DS-101	N63-21787	22-09
DS-102	N63-21794	22-09
DS-103	N63-21792	22-09
DS-104	N63-21797	22-09
DS-105	N63-21790	22-09
DS-106	N63-20284	20-19
DS-107	N63-20285	20-19
DS-108	N63-20286	20-25
DS-109	N63-20380	20-25
DS-110	N63-20299	20-25
DS-111	N63-20296	20-25
DS-112	N63-20381	20-25
DS-113	N63-20297	20-25
DS-114	N63-20298	20-18
DS-115	N63-20402	20-25
DS-116	N63-20401	20-25
DS-117	N63-20283	20-25
DS-118	N63-20375	20-25
DS-119	N63-20300	20-25
DS-120	N63-20287	20-25
DS-121	N63-20304	20-25
DS-122	N63-20288	20-19
DS-123	N63-20405	20-19
DS-124	N63-20406	20-25
DS-125	N63-20306	20-19
DS-126	N63-20289	20-25
DS-127	N63-20290	20-19
DS-128	N63-20407	20-19
DSG-62-588-114	N63-14579	10-08
DSR-7618	N63-11758	04-18
DSR-8692	N63-16227	13-18
DSR-8836	N63-13603	08-15
DSR-8998-1	N63-14338	10-11
DTMB-1456	N63-15923	13-27
DTMB-1603	N63-10597	02-11
DTMB-1613	N63-12637	06-20
DTMB-1614	N63-14747	11-33
DTMB-1662	N63-10285	01-04
DTMB-1676	N63-13376	08-11
DTMB-1679	N63-11625	04-02
DTMB-1690	N63-17751	16-10
DTMB-AERO-1015	N63-10285	01-04
DTMB-AERO-1040	N63-11427	03-02
DTMB-AERO-1041	N63-11625	04-02
DTMB-AERO-1043	N63-12720	06-03
DTMB-AERO-1047	N63-13703	08-04
DTMB-AERO-1049	N63-12471	06-04
DTMB-AERO-1052	N63-18327	17-04
DTMB-AERO-1055	N63-19882	19-03
DTMB-AERO-1056	N63-19883	19-03
DTMB-AERO-1057	N63-22769	23-03
DTMB-AERO-1058	N63-23135	24-04
DTMB-AERO-1061	N63-22770	23-13
DTMB-R-1700	N63-12471	06-04
DVL-149	N63-23073	24-08
DVL-182	N63-14423	10-15
DVL-190	N63-16145	13-11
DVL-197	N63-14662	10-03
DVL-206	N63-16193	13-11
DVL-210	N63-16375	14-11
DVL-212	N63-15192	11-26
DVL-226	N63-15072	11-26
DVL-228	N63-19971	19-16
DVL-238	N63-16278	13-11
DVL-239	N63-14503	10-20
DVL-240	N63-15193	11-11
DVL-243	N63-14409	10-02
DVL-244	N63-20002	19-23
DVL-246	N63-19995	19-11
DVL-250	N63-15856	13-23
DVL-251	N63-15813	13-11
DVL-256	N63-14641	10-08
DVL-260	N63-14642	10-20
DVL-261	N63-20953	21-10
DVL-264	N63-22762	23-23
DVL-266	N63-20914	21-04
DVL-278	N63-17616	16-02
DVL-282	N63-19373	18-15
DVL-284	N63-19374	18-15
DVL-288	N63-19375	18-11
DW-433	N63-12784	06-17
E-79-4	N63-16350	14-03
E-118.12	N63-13087	07-11
E-302-P	N63-21544	22-25
E-498-MC	N63-19717	19-18
E-1172	N63-12777	06-05
E-1173	N63-12919	07-13
E-1214	N63-18358	17-17
E-1222	N63-18122	16-17
E-1249	N63-18359	17-17
E-1266	N63-18366	17-17
E-1276	N63-18365	17-17
E-1312	N63-18124	16-17
E-1317	N63-18424	17-17
E-1349	N63-18121	16-17
E13-63	N63-13566	08-26
E104-63	N63-17511	16-26
E173-62	N63-10506	01-26
E194-62	N63-10880	02-26
EDC-1-62-10	N63-12608	06-09
EDC-1-62-12	N63-12609	06-09
EDC-1-62-14	N63-13262	07-20
EDC-6-62-1	N63-16944	14-09
EDR-2617	N63-16307	13-24
EDR-3455	N63-22584	23-26
EE-15	N63-13853	09-24
EE-16	N63-13992	09-23
EE-18	N63-16478	14-24
EE-22	N63-17065	15-20
EE-23	N63-18910	18-23
EE-26	N63-20764	21-24
EE-74	N63-12638	06-09
EE-89	N63-18322	17-08
EE-92	N63-20249	20-08
EE-96	N63-21367	22-09
EE-525	N63-16017	13-09
EE-539	N63-16071	13-09
EE-540	N63-16021	13-09
EE-541	N63-16019	13-09
EE-542	N63-16018	13-09
EE-544	N63-16074	13-09
EE-545	N63-16072	13-09
EE-546	N63-16070	13-09
EE-547	N63-16020	13-09
EE-551	N63-16073	13-09
EE-555	N63-16069	13-09
EE-556	N63-16016	13-09
EE-558	N63-21632	22-23
EE-560	N63-19140	18-23
EE-957-6301T3	N63-15038	11-23
EFINS-62-54-55-56	N63-11225	03-23
EFINS-62-72	N63-12034	05-28
EFINS-63-1	N63-13991	09-05
EFINS-63-8	N63-14188	09-28
EFINS-63-9	N63-14328	10-28
EFINS-63-16	N63-15935	13-24
EFINS-63-18	N63-15445	12-28
EFINS-63-31	N63-18373	17-05
EG&G-B-2462	N63-17768	16-25
EG&G-B-2602	N63-22630	23-12
EID-12	N63-17643	16-10
EID-59	N63-17078	15-20
EID-61	N63-17064	15-09
EID-63	N63-19145	18-09
EID-64	N63-17256	15-20
EID-66	N63-17448	15-09
EID-68	N63-19130	18-25
EID-70	N63-20655	20-08
EID-119	N63-10482	01-15
EK/ARD-ED-866	N63-11799	04-17
EK/ARD-ED-874	N63-15687	12-28
EK/ARD ED-1003	N63-16321	13-29

EM-13-14	N63-18182	16-33
EM-1110-345-332	N63-14311	10-26
EM-1110-345-950	N63-16574	14-10
EMI-4454-111-63U	N63-16306	13-17
EOS-1588-FINAL-I	N63-22138	22-06
EOS-1640-FINAL	N63-16113	13-25
EOS-1860-Q-4	N63-15971	13-10
EOS-2080-IR-1	N63-13961	09-06
EOS-2080-ML-9	N63-11334	03-25
EOS-2230-Q-2	N63-10512	01-15
EOS-2230-Q-3	N63-11989	05-23
EOS-3000-FINAL	N63-19747	19-13
EOS-3000-Q-3	N63-20970	21-06
EOS-3070-Q-1	N63-18410	17-09
EOS-3070-Q-2	N63-18492	17-23
EOS-RN-8	N63-21419	22-11
EOS-RN-14	N63-21215	21-13
EOS-RN-61	N63-22788	23-11
EOS-RR-5	N63-10786	02-11
EP-63-678	N63-15165	11-29
EPC-578-F-1	N63-20830	21-26
EPD-29, REV. 1	N63-16724	14-10
ER-1115-21	N63-23668	24-02
ER-1115-25	N63-23669	24-02
ER-2916, REV.	N63-20616	20-08
ER-2918, REV.	N63-22045	22-09
ER-4108	N63-10588	02-06
ER-4544	N63-12200	05-06
ER-4670	N63-10558	01-06
ER-4774	N63-13545	08-18
ER-4809	N63-22167	23-23
ER-4925	N63-21226	21-06
ER-4949	N63-21727	22-06
ER-5038	N63-16108	13-06
ER-5048	N63-23522	24-15
ER-5209-11	N63-22380	23-02
ER-5214	N63-15388	12-11
ER-5288	N63-21124	21-02
ER-5386	N63-22577	23-06
ER-5498	N63-22820	23-18
ER-6047	N63-16548	14-24
ER-6383	N63-21734	22-23
ER-12289	N63-14344	10-27
ER-12290	N63-14345	10-29
ER-12292	N63-14346	10-29
ER-12297	N63-14347	10-29
ER-12298	N63-13637	08-31
ER-12300	N63-14348	10-16
ER-12304	N63-14349	10-29
ER-12305	N63-14350	10-10
ER-12693	N63-10782	02-14
ER-12737	N63-11126	03-30
ER-12759	N63-13981	09-17
ER-12838	N63-15793	13-14
ER-12923	N63-16466	14-16
ERB-619	N63-10462	01-08
ERB-619, SUPPL.	N63-14798	11-08
ERB-626	N63-14798	11-08
ERDA-8	N63-14484	10-21
ERDA-9	N63-15071	11-04
ERDA-20	N63-15949	13-10
ERDA-24	N63-17234	15-10
ERDA-27	N63-18850	18-21
ERDA-29	N63-17527	16-21
ERDA-30	N63-18279	17-21
ERDA-31	N63-18687	17-21
ERDA-32	N63-18280	17-21
ERDA-33	N63-18154	16-21
ERDA-34	N63-18903	18-21
ERDA-35	N63-18281	17-21
ERDA-36	N63-18282	17-21
ERDA-38	N63-18156	16-21
ERDA-39	N63-18157	16-21
ERDA-40	N63-18336	17-21
ERDA-44	N63-18895	18-21
ERDA-45	N63-19009	18-21
ERDA-47	N63-19121	18-21
ERDA-48	N63-20027	19-21
ERDA-49	N63-20028	19-21
ERDA-50	N63-21718	22-21
ERDA-51	N63-22720	23-2[illegible]
ERDA-52	N63-22721	23-2[illegible]
ERDA-55	N63-19892	19-[illegible]
ERDA-61	N63-21208	21-[illegible]
ERDA-62	N63-20468	20-[illegible]
ERDA-63	N63-20469	20-[illegible]
ERDA-68	N63-21917	22-[illegible]
ERDA-70	N63-22783	23-[illegible]
ERDA-72	N63-23430	24-[illegible]
ERDA-75	N63-23560	24-[illegible]
ERDA-76	N63-23566	24-[illegible]
ERDAH-MET-2-63	N63-11626	04-[illegible]
ERR-AN-080	N63-23130	24-[illegible]
ERR-AN-110	N63-11918	04-[illegible]
ERR-AN-153	N63-13964	09-[illegible]
ERR-AN-167	N63-23128	24-[illegible]
ERR-AN-244	N63-15216	11-[illegible]
ERR-FW-124	N63-21117	21-[illegible]
ERR-FW-130	N63-21030	21-[illegible]
ERR-FW-178	N63-20957	21-[illegible]
ERR-FW-192	N63-21029	21-[illegible]
ERR-SD-170	N63-14023	09-[illegible]
ERSD-13-7	N63-20123	20-[illegible]
ES-8	N63-23688	24-[illegible]
ESD-TDR-62-305	N63-21698	22-[illegible]
ESD-TDR-62-336	N63-12219	05-[illegible]
ESD-TDR-62-346	N63-13164	07-[illegible]
ESD-TDR-63-128	N63-18090	16-[illegible]
ESD-TDR-63-134	N63-17634	16-[illegible]
ESD-TDR-63-135	N63-19129	18-[illegible]
ESD-TDR-63-189	N63-12453	06-[illegible]
ESD-TDR-63-224	N63-22153	22-[illegible]
ESD-TDR-63-321	N63-18276	17-[illegible]
ESD-TDR-63-326	N63-20365	20-[illegible]
ESD-TDR-63-328	N63-19643	19-[illegible]
ESD-TDR-63-343	N63-17762	16-[illegible]
ESD-TDR-63-349	N63-23561	24-[illegible]
ESD-TDR-63-349, VOL. 1	N63-21174	21-[illegible]
ESD-TDR-63-403	N63-19379	18-[illegible]
ESD-TDR-63-406	N63-20642	20-[illegible]
ESD-TDR-63-407	N63-20631	20-[illegible]
ESD-TDR-63-427	N63-20998	21-[illegible]
ESD-TDR-63-440	N63-22531	23-[illegible]
ESD-TDR-63-546	N63-22926	23-[illegible]
ESD-TDR-63-603	N63-21461	22-[illegible]
ESD-TDR-63-605	N63-21453	22-[illegible]
ESD-TDR-63-607	N63-23184	24-[illegible]
ESD-TDR-63-609	N63-22422	23-[illegible]
ESL-FR-165	N63-16395	14-20
ESL-R-137	N63-12366	06-15
ESL-R-149	N63-12044	05-09
ESL-R-153	N63-13604	08-15
ESL-SR-157	N63-12611	06-08
ESL-TM-141	N63-12045	05-17
ESL-TM-162	N63-13603	08-15
ESRD-7-19	N63-12156	05-17
ESRD-13-10	N63-15463	12-18
ESRD 13-13	N63-22870	23-18
EUR-30.E	N63-10773	02-09
EUR-39.E	N63-10774	02-17
EUR-86.D	N63-17393	15-18
EUR-88.F	N63-11765	04-23
EUR-90.D	N63-11764	04-07
EUR-103.F	N63-10775	02-23
EUR-105.E	N63-10776	02-20
EUR-106.F	N63-10777	02-20
EUR-107.F	N63-10778	02-15
EUR-108.F	N63-10779	02-20
EUR-109.F	N63-10780	02-15
EUR-110.E	N63-13266	07-01
EUR-111.E	N63-10781	02-15
EUR-112.E,F, VOL. 1	N63-11767	04-26
EUR-112.E,F, VOL. 3	N63-11768	04-26
EUR-117.E	N63-12644	06-17
EUR-118.F	N63-13762	08-07
EUR-122.E	N63-17772	16-23
EUR-132.F	N63-13267	07-18

EUR-133.I	N63-11830	04-23
EUR-141.F	N63-13763	08-07
EUR-144.F	N63-11766	04-20
EUR-146.F	N63-13805	09-20
EUR-147.F	N63-13806	09-16
EUR-149.F	N63-13764	08-23
EUR 150.F	N63-15647	12-20
EUR-151.F	N63-20238	20-09
EUR-184.I	N63-13807	09-08
EUR-189.F	N63-13765	08-20
EUR-192.D,E	N63-13766	08-20
EUR-194.D	N63-17237	15-01
EUR-202.F	N63-16580	14-20
EUR-203.F	N63-15403	12-18
EUR-204.I	N63-15648	12-07
EUR-207.F	N63-15049	11-20
EUR-208.F	N63-13808	09-18
EUR-209.D	N63-13809	09-23
EUR-221.E	N63-19970	19-23
EUR-222.F	N63-17194	15-25
EUR-227.E	N63-23520	24-13
EUR-231.D	N63-17496	16-23
EUR-233.I	N63-19351	18-23
EUR-237.F	N63-15649	12-13
EUR-242.E	N63-20489	20-16
EUR-248.F	N63-16560	14-25
EUR-251.F	N63-17559	16-17
EUR-252.F	N63-17560	16-17
EUR-257.E	N63-16825	14-20
EUR-263.D	N63-15701	12-09
EUR-270.E	N63-20519	20-07
EUR-272.F	N63-17561	16-18
EUR-275.F	N63-19298	18-18
EUR-276.I	N63-18730	17-21
EUR-282.F	N63-18230	17-20
EUR-284.E	N63-19915	19-20
EUR-292.I	N63-19283	18-23
EUR-293.E	N63-19206	18-11
EUR-301.D	N63-19495	19-07
EUR-306.I	N63-20689	20-23
EUR-308.E	N63-20465	20-16
EUR-338.E	N63-19228	18-25
EUR-342.I	N63-19284	18-23
EUR-347.F	N63-23192	24-20
EUR-348.D	N63-19916	19-13
EUR-352.E	N63-20921	21-11
EUR-357.D	N63-20062	20-18
EUR-358.I	N63-22852	23-25
EUR-360.I	N63-19812	19-23
EUR-363.F	N63-20543	20-08
EURAEC-582	N63-14719	11-18
EURAEC-706	N63-21163	21-19
EURAEC-744	N63-21714	22-18
EURAEC-760	N63-22070	22-23
EXP-223/1	N63-13461	08-07
EXP-223/2	N63-13462	08-26
EXP-223/3	N63-14485	10-07
EXP-223/4	N63-18103	16-07
EXP-223/5	N63-21689	22-07
EXP-328	N63-15213	11-26
EXP-NRX-70911	N63-23145	24-23
F-16	N63-13840	09-10
F-63-2	N63-22439	23-26
F-823-B	N63-18671	17-04
F-829B	N63-22866	23-10
F-2022-1	N63-20301	20-23
F-2031-1	N63-21731	22-15
FA-M64-4-1	N63-22961	23-17
FA-M64-5-1	N63-22814	23-23
FA-R-1623	N63-15279	12-18
FA-R-1641	N63-17473	15-06
FA-R-1645	N63-16410	14-17
FA-R-1668	N63-21807	22-19
FA-R-1677	N63-19662	19-18
FA-R-1685	N63-22815	23-17
FDCC-TM-63-2	N63-22960	23-04
FFA-91	N63-12001	05-02
FFA-93	N63-17075	15-03
FFA-94	N63-17596	16-01
FFA-95	N63-19982	19-22
FFA-MEMO-PE-13	N63-13971	09-04
FFA-MEMO-PE-15	N63-13972	09-04
FFIK-IR-K-E-10	N63-22298	23-09
FFIT-E-2	N63-17541	16-12
FFM-55	N63-14351	10-32
FFM-56	N63-14334	10-29
FFM-57	N63-22248	23-04
FFM-58	N63-20915	21-11
FFM-59	N63-21627	22-04
FGT-1880	N63-14735	11-17
FGT-2868	N63-21707	22-33
FGT-3023	N63-21307	21-11
FIC-TIR-63-2001	N63-17693	16-10
FLD-9	N63-17679	16-11
FLD-10	N63-21813	22-11
FLIGHT SCIENCES LAB. TM-8	N63-10089	01-11
FLIGHT SCIENCES LAB. TR-49	N63-10089	01-11
FLIGHT SCIENCES LAB. TR-55	N63-14534	10-24
FLIGHT SCIENCES LAB. TR-63	N63-10082	01-24
FLIGHT SCIENCES LAB. TR-64	N63-12369	06-02
FLIGHT SCIENCES LAB. TR-65	N63-19324	18-23
FLIGHT SCIENCES LAB. TR-67	N63-15521	12-11
FLIGHT SCIENCES LAB. TR-68	N63-16450	14-24
FLIGHT SCIENCES LAB. TR-70	N63-16205	13-02
FLIGHT SCIENCES LAB. TR-71	N63-15753	12-20
FLIGHT SCIENCES LAB. TR-72	N63-18750	17-11
FLIGHT SCIENCES LAB. TR-73	N63-17400	15-02
FLIGHT SCIENCES LAB. TR-78	N63-20969	21-03
FLIGHT SCIENCES LAB. TR-79	N63-22325	23-03
FM-158	N63-10014	01-11
FMI-63-1	N63-16849	14-16
FPL-07	N63-17915	16-33
FPL-1869, REV.	N63-17915	16-33
FPL-1888	N63-11411	03-33
FPL-1889	N63-11412	03-33
FPL-1890	N63-14496	10-19
FPR-007	N63-20281	20-18
FPRC/1202	N63-11811	04-13
FPRC/MEMO-162	N63-18820	18-16
FPRC/MEMO-175	N63-11773	04-16
FPRC/MEMO-176	N63-11772	04-16
FPRC/MEMO.-185	N63-20076	20-17
FPRC/MEMO.-186	N63-20043	19-16
FPRC-MEMO-187	N63-23766	24-15
FPRC/MEMO-190	N63-20110	20-16
FR-63-10-178	N63-19465	19-25
FR-012-844	N63-11621	04-24
FR-1036	N63-22510	23-08
FR022-8007	N63-16302	13-24
FR081-1313	N63-12101	05-10
FRITZ ENG. LAB.-205M.6	N63-15330	12-34
FRITZ ENG. LAB.-297.3	N63-15332	12-33
FRL-TN-90	N63-16929	14-16
FRL-TN-101	N63-16476	14-19
FRL-TN-137	N63-14084	09-23
FS-AMD-R62-1	N63-12047	05-33
FTD-TT-61-36/1&2&4	N63-23186	24-13
FTD-TT-61-149/1&2	N63-14905	11-09
FTD-TT-61-351/1&2&4	N63-10339	01-08
FTD-TT-61-464/1&2&4	N63-10341	01-27
FTD-TT-61-465/1&2&4	N63-10305	01-09
FTD-TT-62-32/1&2	N63-23377	24-08
FTD-TT-62-35/1&2&4	N63-16111	13-06
FTD-TT-62-50/1&2&4	N63-23076	24-13
FTD-TT-62-118/1&2&4	N63-12817	06-15
FTD-TT-62-121/1&2	N63-18430	17-32
FTD-TT-62-134/1	N63-10520	01-18
FTD-TT-62-135/1&2	N63-15662	12-13
FTD-TT-62-213/1&2&4	N63-18196	16-23
FTD-TT-62-333/1&2&4	N63-15182	11-11
FTD-TT-62-414/144	N63-15904	13-25
FTD-TT-62-430/1&2	N63-13175	07-18
FTD-TT-62-451/1&2&3&4	N63-10297	01-04

FTD-TT-62-481/1&2&4	N63-10416	01-09
FTD-TT-62-623/1&2	N63-10453	01-08
FTD-TT-62-625/1&2	N63-10519	01-23
FTD-TT-62-720/1&2&4	N63-10352	01-33
FTD-TT-62-744/1&2&4	N63-23723	24-15
FTD-TT-62-758/1&2&4	N63-12818	06-23
FTD-TT-62-759/1&2&4	N63-12752	06-09
FTD-TT-62-761/1&2&4	N63-10442	01-23
FTD-TT-62-771/1&2&4	N63-10308	01-16
FTD-TT-62-784/1&2	N63-10355	01-09
FTD-TT-62-789/1&2	N63-10368	01-17
FTD-TT-62-844/1&2	N63-10440	01-32
FTD-TT-62-851/1&2&4	N63-23724	24-25
FTD-TT-62-871/1&2	N63-10521	01-20
FTD-TT-62-876/1&2&4	N63-10446	01-22
FTD-TT-62-877/1&2&4	N63-10301	01-09
FTD-TT-62-885/1&2&4	N63-10348	01-25
FTD-TT-62-888/1&2&4	N63-10522	01-08
FTD-TT-62-910/1&2	N63-23396	24-06
FTD-TT-62-911/1&2	N63-22575	23-19
FTD-TT-62-971/1&2	N63-10344	01-13
FTD-TT-62-973/1&2&4	N63-10338	01-09
FTD-TT-62-974/1&2&4	N63-23634	24-13
FTD-TT-62-979/1&2&4	N63-12729	06-11
FTD-TT-62-981/1&2	N63-10302	01-23
FTD-TT-62-1007/1&2	N63-10444	01-08
FTD-TT-62-1029/1&2&4	N63-16848	14-12
FTD-TT-62-1031/1&2&4	N63-10345	01-11
FTD-TT-62-1037/1&2&4	N63-10354	01-26
FTD-TT-62-1049/1,2&4	N63-10307	01-11
FTD-TT-62-1057/1&2&4	N63-16926	14-11
FTD-TT-62-1062/1&2&4	N63-10343	01-15
FTD-TT-62-1070/1&2&4	N63-10580	02-07
FTD-TT-62-1073/1&2	N63-10298	01-22
FTD-TT-62-1076/1&2	N63-10303	01-05
FTD-TT-62-1090/1&2	N63-23725	24-05
FTD-TT-62-1092/1&2	N63-14847	11-24
FTD-TT-62-1139/1&2	N63-10342	01-08
FTD-TT-62-1140/1&2	N63-10304	01-08
FTD-TT-62-1143/1&2&4	N63-10330	01-17
FTD-TT-62-1145/1&2&4	N63-16933	14-11
FTD-TT-62-1148/1&2&4	N63-12753	06-20
FTD-TT-62-1149/1&2&4	N63-10350	01-20
FTD-TT-62-1151/1&2&4	N63-10351	01-03
FTD-TT-62-1166/1&2	N63-10448	01-27
FTD-TT-62-1171/1&2&4	N63-14329	10-23
FTD-TT-62-1174/1&2&4	N63-10349	01-23
FTD-TT-62-1175/1&2&4	N63-10447	01-13
FTD-TT-62-1178/1&2	N63-10445	01-15
FTD-TT-62-1186/1&2&4	N63-10347	01-24
FTD-TT-62-1187/1&2&4	N63-10331	01-24
FTD-TT-62-1193/1&2&4	N63-12819	06-08
FTD-TT-62-1194/1&2&4	N63-23767	24-09
FTD-TT-62-1200/1&2&4	N63-12820	06-13
FTD-TT-62-1203/1&2	N63-10306	01-16
FTD-TT-62-1213/1&2	N63-10353	01-19
FTD-TT-62-1218/1&2	N63-10443	01-23
FTD-TT-62-1219/1&2	N63-10449	01-24
FTD-TT-62-1227/1&3&4	N63-23726	24-23
FTD-TT-62-1256/1&2	N63-10340	01-18
FTD-TT-62-1261/1&4	N63-13580	08-07
FTD-TT-62-1272/1&2&4	N63-13615	08-18
FTD-TT-62-1273/1&2&4	N63-13583	08-18
FTD-TT-62-1357/1	N63-12821	06-17
FTD-TT-62-1380/1&2&4	N63-23635	24-28
FTD-TT-62-1391/1&2	N63-10356	01-23
FTD-TT-62-1392/1&2	N63-10441	01-23
FTD-TT-62-1413/1&2	N63-10346	01-13
FTD-TT-62-1417/1&2&3&4	N63-19645	19-26
FTD-TT-62-1428/,&2	N63-23631	24-05
FTD-TT-62-1430/1&2	N63-23727	24-29
FTD-TT-62-1436/1&2&4	N63-13584	08-09
FTD-TT-62-1441/1&2&4	N63-23378	24-26
FTD-TT-62-1459/1&2&4	N63-12754	06-13
FTD-TT-62-1465/1&2&4	N63-23632	24-05
FTD-TT-62-1474/1&2&4	N63-13619	08-23
FTD-TT-62-1476/1&2	N63-23728	24-10
FTD-TT-62-1478/1&2&3&4	N63-23729	24-30
FTD-TT-62-1495/1&2	N63-23633	24-15
FTD-TT-62-1507/1&2	N63-23768	24-12
FTD-TT-62-1509/1&2	N63-23636	24-23
FTD-TT-62-1510/1&2	N63-23637	24-15
FTD-TT-62-1513/1&2	N63-23769	24-18
FTD-TT-62-1528/1&2&4	N63-23739	24-09
FTD-TT-62-1529/1&2&4	N63-13585	08-07
FTD-TT-62-1535-1&2&4	N63-23379	24-19
FTD-TT-62-1539/1&2&4	N63-23730	24-19
FTD-TT-62-1553/1&4	N63-18072	16-16
FTD-TT-62-1580/1&2&4	N63-23731	24-30
FTD-TT-62-1604/1&2&4	N63-13581	08-07
FTD-TT-62-1613/1	N63-23638	24-[illegible]
FTD-TT-62-1619/1&2	N63-15658	12-[illegible]
FTD-TT-62-1679/1&2	N63-13586	08-[illegible]
FTD-TT-62-1765/1&2	N63-23733	24-[illegible]
FTD-TT-62-1787/1&2	N63-23380	24-[illegible]
FTD-TT-63-71/1&2	N63-23381	24-[illegible]
FTD-TT-63-182/1&2	N63-23734	24-[illegible]
FTD-TT-63-208/1&2&4	N63-23639	24-[illegible]
FTD-TT-63-266/1&2	N63-23738	24-[illegible]
FTD-TT-63-335/1	N63-23735	24-[illegible]
FTD-TT-63-377/1&2	N63-23640	24-[illegible]
FTD-TT-63-379/1&2	N63-23641	24-[illegible]
FTD-TT-63-393/1&2&4	N63-23736	24-[illegible]
FTD-TT-63-447/1&2	N63-23643	24-[illegible]
FTD-TT-63-457/1	N63-23382	24-[illegible]
FTD-TT-63-459/1&2	N63-23737	24-[illegible]
FTD-TT-63-460/1&2	N63-23383	24-[illegible]
FTD-TT-63-470/1&2&4	N63-23384	24-[illegible]
FTD-TT-63-476/1&2&4	N63-23642	24-[illegible]
FTD-TT-63-572/1&2&4	N63-23385	24-[illegible]
FTD-TT-63-602/1&2	N63-23386	24-[illegible]
FTD-TT-63-617/1&2&4	N63-23387	24-[illegible]
FTD-TT-63-641/1&2&4	N63-23187	24-[illegible]
FTD-TT-63-646/1&2	N63-23388	24-[illegible]
FTD-TT-63-683/1	N63-23389	24-[illegible]
FTD-TT-63-714/1&2	N63-23390	24-[illegible]
FTD-TT-63-726/1&2	N63-23391	24-[illegible]
FTD-TT-63-739/1&2	N63-23188	24-[illegible]
FTD-TT-63-750/1&2	N63-23392	24-[illegible]
FTD-TT-63-791/1&2	N63-23189	24-[illegible]
FTD-TT-63-797/1&2	N63-23393	24-[illegible]
FTD-TT-63-850/1&2	N63-23394	24-[illegible]
FTD-TT-63-866/1&2	N63-23395	24-[illegible]
FTD-TT-1763/1&2	N63-23732	24-[illegible]
FTDM-2979	N63-21648	22-[illegible]
FTDM-3013	N63-21010	21-[illegible]
FTDM-3130	N63-21308	21-[illegible]
FZK-147	N63-15057	11-[illegible]
FZK-152	N63-15349	12-[illegible]
FZK-161-1	N63-21066	21-[illegible]
FZK-161-2	N63-21332	21-[illegible]
FZK-163	N63-16677	14-[illegible]
FZK-167	N63-21070	21-[illegible]
G-25	N63-11833	04-[illegible]
GA-2318	N63-17077	15-[illegible]
GA-2670	N63-13785	08-[illegible]
GA-2802	N63-12139	05-[illegible]
GA-2823	N63-10438	01-[illegible]
GA-2881	N63-19234	18-[illegible]
GA-2984	N63-21217	21-[illegible]
GA-3007	N63-18048	16-[illegible]
GA-3125	N63-18020	16-[illegible]
GA-3349	N63-17428	15-[illegible]
GA-3351	N63-10677	02-[illegible]
GA-3358	N63-10676	02-[illegible]
GA-3396	N63-19296	18-[illegible]
GA-3409	N63-14189	09-[illegible]
GA-3503	N63-18801	18-[illegible]
GA-3523	N63-21485	22-[illegible]
GA-3542	N63-17257	15-[illegible]
GA-3559	N63-19001	18-[illegible]
GA-3585	N63-17436	15-[illegible]
GA-3633	N63-14208	09-[illegible]
GA-3676	N63-16418	14-[illegible]
GA-3827	N63-14302	10-[illegible]
GA-3853	N63-18126	16-[illegible]
GA-3859	N63-16885	14-[illegible]
GA-3873	N63-13231	07-[illegible]
GA-3961	N63-14103	09-[illegible]
GA-3985	N63-19135	18-[illegible]
GA-4132	N63-21704	22-[illegible]
GA-4138	N63-19299	18-[illegible]
GA-4140	N63-20951	21-[illegible]
GA-4147	N63-17814	16-[illegible]
GA-4221	N63-16779	14-[illegible]
GA-4246	N63-20942	21-[illegible]
GA-4313	N63-17961	16-[illegible]
GA-4322	N63-19599	19-[illegible]
GA-4332	N63-19342	18-[illegible]
GA-4395	N63-20017	19-[illegible]
GA-4497	N63-23136	24-[illegible]
GA-4506	N63-22425	23-[illegible]
GA-PHYS-62-2	N63-16935	14-[illegible]
GALCIT-120	N63-15932	13-[illegible]

GALCIT-SM-62-54	N63-15247	12-33
GALCIT-SM-63-2	N63-15932	13-33
GALCIT-SM-63-15	N63-23813	24-18
GAMD-3629	N63-10124	01-27
GAMD-3639	N63-11172	03-11
GASL-TM-76	N63-13019	07-11
GASL-TM-76-A	N63-15617	12-11
GASL-TR-180	N63-13476	08-07
GASL-TR-182	N63-13483	08-11
GASL-TR-231	N63-13477	08-02
GASL-TR-246	N63-13478	08-11
GASL-TR-249	N63-13479	08-11
GASL-TR-256 I	N63-13452	08-02
GASL-TR-256 II	N63-13453	08-02
GASL-TR-282	N63-13454	08-07
GASL-TR-284	N63-13701	08-33
GASL-TR-292	N63-13455	08-07
GASL-TR-317	N63-14608	10-24
GASL-TR-337	N63-13550	08-11
GASL-TR-338	N63-13116	07-11
GASL-TR-358	N63-21265	21-11
GATC-MR-1163-50	N63-15925	13-16
GCA-TR-62-3-N	N63-22512	23-29
GCA-TR-62-4-G	N63-15444	12-12
GCA-TR-62-5-G	N63-14035	09-12
GCA-TR-62-11-N	N63-17311	15-12
GCA-TR-62-13-G	N63-14037	09-12
GCA-TR-62-13-N	N63-18335	17-12
GCA-TR-62-14-G	N63-14038	09-12
GCA-TR-62-14-N	N63-17312	15-28
GCA-TR-62-15-G	N63-14039	09-12
GCA-TR-62-15-N	N63-17313	15-07
GCA-TR-62-18-G	N63-12770	06-12
GCA-TR-62-23-A	N63-11003	03-11
GCA-TR-62-24-A	N63-21173	21-22
GCA-TR-62-25-A	N63-11850	04-07
GCA-TR-62-28-A	N63-21349	21-23
GCA-TR-63-1-N	N63-17314	15-05
GCA-TR-63-2-A	N63-14362	10-20
GCA-TR-63-2-N	N63-17315	15-23
GCA-TR-63-3-N	N63-17316	15-07
GCA-TR-63-4-A	N63-14363	10-20
GCA-TR-63-4-N	N63-17317	15-12
GCA-TR-63-6-N	N63-13843	09-29
GCA-TR-63-11-N	N63-17318	15-12
GCA-TR-63-12-N	N63-17319	15-01
GCA-TR-63-13-N	N63-17320	15-07
GCA-TR-63-19-N	N63-21975	22-24
GCA-TR-63-23-N	N63-22016	22-12
GD/A63-0079	N63-22702	23-32
GD/A63-0079-A	N63-22685	23-32
GD/A-63-0817	N63-21859	22-18
GD/A-AE62-0867-3	N63-22903	23-18
GD/C-62-354A	N63-16682	14-11
GD/C-63-032	N63-18110	16-11
GD/C-63-179	N63-21296	21-09
GD/FW-FZK-172	N63-23807	24-19
GDA-63-0173	N63-20292	20-13
GDA-63-0436	N63-21031	21-30
GDA-63-0592	N63-19872	19-23
GDA-63-0785	N63-20597	20-26
GDA63-0046	N63-16265	13-21
GDA63-0240	N63-17457	15-11
GDC-62-55A	N63-14023	09-33
GDC-62-370	N63-23622	24-04
GDC-63-132A	N63-19672	19-33
GDR-63039	N63-21717	22-15
GDR-63040	N63-22927	23-15
GEAP-3743	N63-13201	07-23
GEAP-3743 PT. III	N63-19227	18-19
GEAP-3766	N63-10158	01-23
GEAP-3914	N63-14206	09-15
GEAP-3961	N63-19047	18-13
GEAP-3979	N63-13734	08-18
GEAP-3983	N63-13496	08-33
GEAP-3999	N63-17460	15-18
GEAP-4017	N63-13735	08-23
GEAP-4018	N63-15497	12-23
GEAP-4024	N63-11979	05-23
GEAP-4026	N63-11947	04-08
GEAP-4047	N63-11228	03-23
GEAP-4058	N63-13497	08-26
GEAP-4060	N63-13498	08-18
GEAP-4080	N63-13736	08-01
GEAP-4095	N63-13499	08-18
GEAP-4139	N63-17427	15-18
GEAP-4140	N63-20952	21-11
GEAP-4192	N63-22217	23-18
GEAP-4211	N63-21259	21-18
GEAP-4214	N63-20832	21-23
GEAP-4222	N63-19382	18-15
GEAP-4229	N63-21921	22-09
GEMP-9A	N63-15201	11-18
GEMP-17A	N63-10103	01-18
GEMP-18A	N63-11211	03-18
GEMP-19A	N63-12493	06-33
GEMP-21A	N63-15755	12-18
GEMP-22A	N63-16596	14-23
GEMP-23A	N63-17554	16-33
GEMP-24A	N63-19231	18-18
GEMP-25A	N63-20138	20-18
GEMP-26A	N63-22778	23-13
GEMP-27A	N63-23406	24-18
GEMP-75	N63-10614	02-15
GEMP-76	N63-16355	14-06
GEMP-77	N63-17736	16-15
GEMP-78	N63-20139	20-15
GEMP-79	N63-23374	24-23
GEMP-177A	N63-15756	12-18
GEMP-177C	N63-13428	08-15
GEMP-186	N63-15934	13-33
GEMP-192	N63-14651	10-20
GEMP-200	N63-17702	16-25
GEMP-218	N63-20685	20-18
GEMP-243	N63-23580	24-19
GER-10979	N63-19274	18-08
GER-11012	N63-17530	16-07
GER-11154A	N63-21035	21-33
GER-11154B	N63-23559	24-17
GER-11184	N63-23612	24-15
GER-11234	N63-21240	21-28
GEST-2009	N63-19259	18-23
GEST-2021	N63-21294	21-09
GMI-2332	N63-10670	02-17
GRD RES. NOTES-58	N63-14179	09-28
HASL-126	N63-16385	14-20
HASL-133	N63-16850	14-23
HASL-134	N63-17459	15-07
HAWAII INST. GEOPHYS. REPT.-27	N63-15178	11-21
HAWAII INST. GEOPHYS. REPT.-32	N63-19780	19-28
HAWAII INST. GEOPHYS. REPT.-33	N63-19839	19-21
HAWAII INST. GEOPHYS. REPT.-37	N63-21019	21-22
HDL-TR-1140	N63-20833	21-09
HDL-TR-1143	N63-18883	18-25
HDL-TR-1146	N63-19120	18-20
HE-150-203	N63-10615	02-02
HE-150-206	N63-10619	02-11
HE-150-211	N63-16879	14-24
HE-794	N63-13972	09-04
HF-1-62	N63-18878	18-14
HF-2-62	N63-18879	18-14
HM-1510-Y-2	N63-23025	24-26
HQ-76-2	N63-20945	21-07
HR-63-252	N63-18083	16-19
HR-63-266	N63-19926	19-19
HR-1959	N63-15525	12-31
HR-11040	N63-15434	12-01
HRB-SINGER-353-R-2	N63-20365	20-22
HSA-81	N63-18062	16-10
HSA-83	N63-19100	18-03
HSA-85	N63-17760	16-10
HSA-86	N63-10153	01-02

HSA-93	N63-13059	07-30
HSER-2678	N63-19924	19-09
HSR-RR-62/8-MK-X	N63-17499	16-04
HSR-RR-62/10-MK-X	N63-14574	10-14
HT-5	N63-21784	22-13
HTC-AD-62-31	N63-19163	18-04
HUM-1-P	N63-13917	09-07
HUM-2-P	N63-19305	18-07
HUM-3-P	N63-20549	20-07
HUMRRO-RR-11	N63-16377	14-14
HUMRRO-TR-75	N63-11339	03-14
HUMRRO-TR-77	N63-11200	03-14
HUMRRO-TR-80	N63-12968	07-14
HUMRRO-TR-80, SUPPL.	N63-12969	07-14
HUMRRO-TR-83	N63-15564	12-14
HW-65173-REV	N63-19361	18-11
HW-67072	N63-16414	14-06
HW-67949-REV	N63-12947	07-17
HW-68525	N63-15722	12-23
HW-69680	N63-15721	12-18
HW-69945	N63-12454	06-23
HW-70892	N63-15532	12-21
HW-71023	N63-15552	12-18
HW-71044	N63-15674	12-09
HW-71232	N63-12007	05-07
HW-71521, REV	N63-12455	06-15
HW-71570	N63-22423	23-18
HW-73337	N63-11665	04-23
HW-73698, REV.	N63-11974	05-17
HW-73747 REV.	N63-12055	05-07
HW-73902 REV	N63-12724	06-23
HW-74359, REV.	N63-18115	16-18
HW-74731, PT. II	N63-11805	04-23
HW-74783	N63-15559	12-09
HW-74955	N63-19216	18-18
HW-75120	N63-12410	06-23
HW-75147	N63-10360	01-23
HW-75148	N63-22964	23-19
HW-75228	N63-12411	06-23
HW-75267	N63-11975	05-18
HW-75278	N63-19771	19-23
HW-75384	N63-11976	05-15
HW-75428	N63-12412	06-19
HW-75445	N63-16534	14-21
HW-75499	N63-12725	06-17
HW-75526	N63-12726	06-23
HW-75746	N63-12456	06-15
HW-75806	N63-14863	11-20
HW-75914	N63-13015	07-01
HW-76000	N63-19706	19-16
HW-76128	N63-16419	14-23
HW-76158	N63-14051	09-33
HW-76222	N63-19501	19-07
HW-76228	N63-13954	09-23
HW-76263	N63-22403	23-23
HW-76300	N63-16411	14-17
HW-76301	N63-22072	22-19
HW-76323	N63-14308	10-23
HW-76351, REV.	N63-22655	23-16
HW-76559	N63-17456	15-01
HW-76562, REV.	N63-22026	22-18
HW-76636	N63-18267	17-18
HW-76642	N63-21175	21-18
HW-76646	N63-15675	12-17
HW-76692	N63-19614	19-20
HW-76952	N63-15365	12-18
HW-77052	N63-18684	17-18
HW-77291	N63-17476	15-07
HW-77311	N63-19506	19-23
HW-77375	N63-18908	18-23
HW-77517	N63-18733	17-15
HW-77681	N63-21319	21-13
HW-77799	N63-22402	23-19
HW-77871	N63-22991	23-23
HW-77954	N63-22073	22-18
HW-78118	N63-22656	23-23
HW-78132	N63-21468	22-18
HW-78178	N63-21467	22-18
HW-78193	N63-22824	23-23
HW-78274	N63-22657	23-23
HW-78574	N63-22424	23-18
HYP-265	N63-22163	23-1
I-615-62-194	N63-23022	24-0
I-A-2049-20	N63-23051	24-1
I-A2392-6	N63-12718	06-1
IA-102	N63-22921	23-0
IAS PAPER-62-21	N63-16268	13-1
IAS PAPER 62-111	N63-21645	22-1
IAS PAPER-63-1	N63-12879	07-0
IAS PAPER-63-2	N63-12880	07-0
IAS PAPER-63-3	N63-12881	07-0
IAS PAPER-63-4	N63-12882	07-0
IAS PAPER-63-5	N63-12883	07-0
IAS PAPER-63-15	N63-12884	07-1
IAS PAPER-63-18	N63-12885	07-1
IAS PAPER-63-19	N63-12886	07-2
IAS PAPER-63-22	N63-12887	07-3
IAS PAPER-63-24	N63-12888	07-3
IAS PAPER-63-26	N63-17183	15-3
IAS PAPER-63-27	N63-12889	07-0
IAS PAPER-63-36	N63-12890	07-3
IAS PAPER-63-41	N63-12891	07-1
IAS PAPER-63-42	N63-20937	21-3
IAS PAPER-63-43	N63-12892	07-3
IAS PAPER-63-48	N63-12893	07-2
IAS-PAPER-63-50	N63-12894	07-2
IAS PAPER-63-56	N63-18862	18-2
IAS PAPER 63-70	N63-12652	06-1
IAS-PAPER-63-75	N63-12896	07-2
IAS-PAPER-63-76	N63-12897	07-2
IAS-PAPER-63-77	N63-12898	07-1
IAS-PAPER-63-79	N63-12899	07-3
IAS-PAPER-63-84	N63-12900	07-2
IAS PAPER-63-85	N63-12901	07-2
IAS-PAPER-63-86	N63-12902	07-2
IAS PAPER-63-92 /REV./	N63-19352	18-1
IDA/HQ-63-1412	N63-22280	23-0
IDA/HQ-63-1715	N63-20063	20-2
IDA-RES. PAPER-32	N63-20063	20-2
IDA-TR-62-19	N63-19272	18-2
IDC-53-73-17	N63-16794	14-3
IDO-12029	N63-15618	12-1
IDO-14598	N63-15540	12-1
IDO-14601	N63-13200	07-2
IDO-14605	N63-18014	16-0
IDO-14606	N63-16899	14-1
IDO-14611	N63-19600	19-0
IDO-14612	N63-20722	21-1
IDO-16809	N63-15886	13-0
IDO-16811	N63-11847	04-1
IDO-16823	N63-13628	08-0
IDO-16830	N63-13282	07-2
IDO-16839	N63-13653	08-0
IDO-16844	N63-15197	11-1
IDO-16845	N63-15541	12-1
IDO-16850	N63-15887	13-1
IDO-16851	N63-15542	12-0
IDO-16852	N63-17618	16-1
IDO-16856	N63-18833	18-2
IDO-16857	N63-16517	14-1
IDO-16869	N63-18810	18-2
IDO-16889	N63-20699	21-1
IDO-16890	N63-17611	16-2
IDO-16893	N63-18811	18-2
IDO-16899	N63-22760	23-2
IDO-19021, VOL. I	N63-16030	13-1
IDO-24041/SUPPL. 1/	N63-19343	18-0
IDO-24042	N63-22838	23-3
IDO-28578	N63-14573	10-1
IDO-28595	N63-12494	06-2
IDO-28597	N63-15222	11-1
IDO-28600	N63-13306	07-2
IDO-28602	N63-13627	08-1
IDO-28605	N63-17332	15-1
IDO-28607	N63-17960	16-2
IDO-28612	N63-22177	23-2
IEEE PAPER-63-1090	N63-18350	17-0
IER-60-490	N63-22384	23-2
IER REPR.-7-63	N63-13057	07-2

IER REPR.-110-62	N63-13056	07-23
IER SER. 20, ISSUE 141	N63-10619	02-11
IER SER. 60, ISSUE 425	N63-13165	07-20
IER SER. 60, ISSUE 429	N63-15413	12-25
IER SER. 60, ISSUE 433	N63-15672	12-24
IER SER. 60, ISSUE 439	N63-12746	06-25
IER SER. 60, ISSUE 448	N63-15671	12-09
IER SER. 60, ISSUE 452	N63-20413	20-25
IER SER. 60, ISSUE 454	N63-15676	12-24
IER SER. 60, ISSUE 455	N63-22041	22-09
IER SER. 60, ISSUE 458	N63-12734	06-24
IER SER. 60, ISSUE 459	N63-12735	06-23
IER SER. 60, ISSUE 472	N63-17505	16-08
IER SER. 60, ISSUE 476	N63-14823	11-16
IER SER. 60, ISSUE 482	N63-20592	20-07
IER SER. 131, ISSUE 16	N63-10669	02-34
IER SER. 131, ISSUE 17	N63-11560	04-33
IER SER. 131, ISSUE 18	N63-12282	05-23
IER SER. 131, ISSUE 20	N63-14500	10-23
IER SER. 173, ISSUE 5	N63-10167	01-11
IER SER. 175, ISSUE 1	N63-10894	02-33
IGY GEN. REPT. SER.-18	N63-18670	17-12
IGY GEN. REPT.-19	N63-21114	21-12
IGY-ROCKET REPT.-7	N63-19676	19-12
IGY SOLAR ACT. REPT. SER.-17A	N63-17703	16-28
IGY SOLAR ACT. REPT.-21	N63-15964	13-28
IGY SOLAR ACT. REPT. SER.-22	N63-15553	12-28
IGY SOLAR ACT. REPT. #23	N63-21254	21-28
IIT-RI-5177-FR	N63-23131	24-08
IITRI-1194-13	N63-22619	23-23
IITRI-1205-4	N63-19087	18-11
IITRI-3227-4	N63-19207	18-07
IITRI-86001-5	N63-22058	22-18
IITRI-B231-9	N63-22057	22-18
IITRI-B241-7	N63-19502	19-18
IITRI-B241-8	N63-22414	23-18
IITRI-B6007-3	N63-19028	18-18
IITRI-B6007-4	N63-21478	22-18
IITRI-C207-25	N63-23501	24-13
IITRI-C6013-1	N63-21168	21-19
ILL-8-P	N63-17174	15-09
ILL-9-P	N63-13918	09-07
ILL-10-P	N63-16349	14-11
ILL-11-P	N63-16781	14-24
IM-1062	N63-14851	11-09
IMM-NYU-295	N63-11622	04-20
IMM-NYU-307	N63-13525	08-20
IMM-NYU-311	N63-19894	19-20
IMM-NYU-312	N63-20721	21-23
IMP-NASA-33	N63-18321	17-23
INTERNUC-67 /REV./	N63-18833	18-20
IPPJ-2	N63-15423	12-24
IPPJ-4	N63-15661	12-24
IPPJ-5	N63-15503	12-24
IPPJ-6	N63-15867	13-24
IPPJ-7	N63-18885	18-24
IPPJ-8	N63-15868	13-24
IPPJ-9	N63-18786	18-24
IPST-644	N63-16187	13-23
IPST-809	N63-21073	21-11
IPST-811	N63-19157	18-23
IPST-CAT. 201	N63-22860	23-23
IR-7-937A/1/	N63-11011	03-17
IR-62-17	N63-14643	10-33
IRIG-105-59	N63-14013	09-08
IRIG-106-62	N63-12635	06-08
IRIG-109-62	N63-14223	09-21
IRIG-MWG-19-63	N63-21473	22-21
IS-299	N63-10752	02-25
IS-313	N63-13199	07-23
IS-419	N63-18849	18-11
IS-464	N63-11812	04-17
IS-492	N63-10708	02-13
IS-500	N63-14961	11-01
IS-507	N63-11813	04-20
IS-520	N63-12476	06-23
IS-522	N63-14242	10-23
IS-542	N63-12477	06-18
IS-562	N63-18797	18-13
IS-576	N63-20765	21-18
IS-578	N63-19155	18-25
IS-587	N63-13248	07-13
IS-618	N63-22992	23-07
IS-657	N63-21013	21-19
IS-662	N63-21653	22-18
IS-665	N63-21459	22-06
ISS-63/7 RIST.	N63-22779	23-23
ISS-63/8 RIST.	N63-22780	23-23
ISS-63/27	N63-21487	22-23
ISS-63-29	N63-23460	24-23
ISS-63-30	N63-23465	24-23
ISS-63/36	N63-22781	23-23
IT-1067	N63-21793	22-29
ITP-74	N63-10405	01-23
J-1034	N63-18396	17-16
J046-4	N63-22976	23-25
JHU-22-P	N63-22753	23-09
JO46-3	N63-21835	22-23
JPC-348	N63-17595	16-11
JPL-37-22	N63-22581	23-30
JPL-AI/LS-205	N63-13704	08-15
JPL-AI/LS-464	N63-21479	22-29
JPL-BIBL-39-3	N63-10765	02-01
JPL-BIBL-39-4/1/	N63-13931	09-01
JPL-EPD-22	N63-16558	14-29
JPL-EPD-108	N63-21481	22-28
JPL-EPD-155	N63-19940	19-29
JPL-IR-32-349	N63-23654	24-10
JPL LIT. SEARCH 523	N63-22582	23-33
JPL-SM-40-1	N63-10953	02-01
JPL-SPS-37-17, VOL. IV	N63-10939	02-01
JPL-SPS-37-17, VOL. VI	N63-10334	01-29
JPL-SPS-37-18, VOL. II	N63-11052	03-10
JPL-SPS-37-18, VOL. IV	N63-13485	08-01
JPL-SPS-37-18, VOL. VI	N63-12341	05-29
JPL-SPS-37-19, VOL. III	N63-13439	08-10
JPL-SPS-37-19, VOL. IV	N63-13582	08-01
JPL-SPS-37-19, VOL. VI	N63-14902	11-29
JPL-SPS-37-20, VOL. III	N63-14591	10-08
JPL-SPS-37-20, VOL. IV	N63-16173	13-29
JPL-SPS-37-20, VOL. VI	N63-17003	15-29
JPL-SPS-37-21, VOL. III	N63-19201	18-08
JPL-SPS-37-21, VOL. IV	N63-21985	22-01
JPL-SPS-37-21, VOL. VI	N63-21902	22-32
JPL-SPS-37-22	N63-21350	21-08
JPL-SPS-37-22, VOL. VI	N63-21988	22-32
JPL-SR-353-1	N63-18032	16-19
JPL-TM-33-27	N63-20963	21-08
JPL-TM-33-37	N63-21120	21-17
JPL-TM-33-72	N63-15915	13-29
JPL-TM-33-83	N63-20963	21-08
JPL-TM-33-85	N63-17336	15-08
JPL-TM-33-99	N63-13486	08-29
JPL-TM-33-99, VOL. 1, PT. B	N63-14292	10-29
JPL-TM-33-99, VOL. 1, PT. C	N63-19202	18-29
JPL-TM-33-99, VOL. 2, PT. A	N63-21980	22-29
JPL-TM-33-99, VOL. 2, PT. B	N63-23029	24-32
JPL-TM-33-99, VOL. 2, PT. C	N63-21647	22-32
JPL-TM-33-99, VOL. 3, PT. A	N63-21337	21-29
JPL-TM-33-99, VOL. 3, PT. B	N63-21338	21-29
JPL-TM-33-99, VOL. 3, PT. C	N63-21339	21-29
JPL-TM-33-106	N63-16155	13-17

JPL-TM-33-111	N63-17226	15-29
JPL-TM-33-113, REV.	N63-19203	18-09
JPL-TM-33-114	N63-17214	15-29
JPL-TM-33-120	N63-18868	18-02
JPL-TM-33-121	N63-18491	17-13
JPL-TM-33-122	N63-21071	21-26
JPL-TM-33-126	N63-19204	18-17
JPL-TM-33-128	N63-21119	21-11
JPL-TM-33-138	N63-23046	24-26
JPL-TR-32-21	N63-15278	12-20
JPL-TR-32-67	N63-15061	11-08
JPL-TR-32-77	N63-14717	11-29
JPL-TR-32-86	N63-13929	09-24
JPL-TR-32-112	N63-19782	19-33
JPL-TR-32-114	N63-21253	21-27
JPL-TR-32-123	N63-20741	21-08
JPL-TR-32-126	N63-21054	21-24
JPL-TR-32-129	N63-13471	08-07
JPL-TR-32-131	N63-15281	12-29
JPL-TR-32-141	N63-19535	19-32
JPL-TR-32-164	N63-18419	17-12
JPL-TR-32-165	N63-14666	10-23
JPL-TR-32-183	N63-13595	08-26
JPL-TR-32-194	N63-16440	14-27
JPL-TR-32-217	N63-10652	02-27
JPL-TR-32-222	N63-11053	03-18
JPL-TR-32-245	N63-10428	01-05
JPL-TR-32-251	N63-10245	01-29
JPL-TR-32-252	N63-10246	01-20
JPL-TR-32-252, ADD. 1	N63-10246	01-20
JPL-TR-32-253	N63-10651	02-07
JPL-TR-32-256	N63-16441	14-29
JPL-TR-32-261	N63-16442	14-33
JPL-TR-32-264	N63-10335	01-29
JPL-TR-32-269	N63-10332	01-13
JPL-TR-32-275	N63-21060	21-24
JPL-TR-32-280	N63-13484	08-08
JPL-TR-32-284	N63-13623	08-08
JPL-TR-32-288	N63-13930	09-07
JPL-TR-32-289	N63-12213	05-16
JPL-TR-32-293	N63-10143	01-29
JPL-TR-32-296	N63-18392	17-11
JPL-TR-32-297	N63-11308	03-19
JPL-TR-32-301	N63-10248	01-27
JPL-TR-32-302	N63-12921	07-23
JPL-TR-32-303	N63-10079	01-30
JPL-TR-32-304	N63-10249	01-08
JPL-TR-32-305	N63-21722	22-26
JPL-TR-32-306	N63-10250	01-25
JPL-TR-32-310	N63-13275	07-07
JPL-TR-32-317	N63-10710	02-11
JPL-TR-32-325	N63-13440	08-16
JPL-TR-32-325/REV./	N63-15243	11-32
JPL-TR-32-326	N63-21733	22-17
JPL-TR-32-329	N63-10889	02-15
JPL-TR-32-332	N63-19293	18-28
JPL-TR-32-333	N63-21732	22-23
JPL-TR-32-334	N63-11519	03-19
JPL-TR-32-335	N63-19783	19-27
JPL-TR-32-337	N63-10333	01-20
JPL-TR-32-338	N63-11237	03-02
JPL-TR-32-340	N63-13441	08-13
JPL-TR-32-341	N63-10247	01-23
JPL-TR-32-343	N63-18422	17-29
JPL-TR-32-344	N63-10218	01-11
JPL-TR-32-347	N63-14677	10-29
JPL-TR-32-348	N63-16443	14-26
JPL-TR-32-350	N63-14450	10-06
JPL-TR-32-351	N63-13080	07-11
JPL-TR-32-352	N63-17166	15-27
JPL-TR-32-354	N63-18485	17-03
JPL-TR-32-356	N63-15452	12-05
JPL-TR-32-357	N63-13136	07-07
JPL-TR-32-358	N63-21856	22-33
JPL-TR-32-360	N63-13442	08-19
JPL-TR-32-361	N63-13443	08-05
JPL-TR-32-362	N63-13444	08-07
JPL-TR-32-363	N63-13061	07-11
JPL-TR-32-365	N63-13445	08-33
JPL-TR-32-366	N63-15031	11-11
JPL-TR-32-368	N63-13767	08-29
JPL-TR-32-369	N63-15451	12-07
JPL-TR-32-371	N63-15726	12-18
JPL-TR-32-372	N63-13062	07-33
JPL-TR-32-373	N63-13446	08-23
JPL-TR-32-374	N63-12922	07-29
JPL-TR-32-375	N63-14483	10-27
JPL-TR-32-377	N63-14466	10-08
JPL-TR-32-378	N63-13447	08-02
JPL-TR-32-379	N63-13448	08-2
JPL-TR-32-380	N63-22157	22-2
JPL-TR-32-381	N63-14467	10-2
JPL-TR-32-383	N63-16386	14-3
JPL-TR-32-384	N63-13449	08-2
JPL-TR-32-384/REV./	N63-15244	11-0
JPL-TR-32-385	N63-14413	10-2
JPL-TR-32-386	N63-23820	24-3
JPL-TR-32-387	N63-14465	10-1
JPL-TR-32-388	N63-23043	24-2
JPL-TR-32-389	N63-13768	08-2
JPL-TR-32-390	N63-13450	08-2
JPL-TR-32-391	N63-13451	08-1
JPL-TR-32-392	N63-15277	12-0
JPL-TR-32-393	N63-14585	10-0
JPL-TR-32-394	N63-15317	12-2
JPL-TR-32-395	N63-13596	08-2
JPL-TR-32-397	N63-21324	21-2
JPL-TR-32-398	N63-13597	08-2
JPL-TR-32-399	N63-13598	08-2
JPL-TR-32-400	N63-16444	14-2
JPL-TR-32-402	N63-15931	13-3
JPL-TR-32-404	N63-21348	21-3
JPL-TR-32-406	N63-18420	17-1
JPL-TR-32-409	N63-23352	24-2
JPL-TR-32-411	N63-19205	18-0
JPL-TR-32-412	N63-21328	21-2
JPL-TR-32-416	N63-21730	22-2
JPL-TR-32-417	N63-18338	17-2
JPL-TR-32-421	N63-21358	22-1
JPL-TR-32-423	N63-21480	22-2
JPL-TR-32-424	N63-19950	19-0
JPL-TR-32-425	N63-21361	22-2
JPL-TR-32-426	N63-21252	21-0
JPL-TR-32-427	N63-14881	11-2
JPL-TR-32-429	N63-16423	14-2
JPL-TR-32-430	N63-20257	20-2
JPL-TR-32-431, PT. I	N63-16445	14-3
JPL-TR-32-431, PT. II	N63-19784	19-1
JPL-TR-32-431, PT. III	N63-19785	19-1
JPL-TR-32-432	N63-22877	23-0
JPL-TR-32-434	N63-21359	22-1
JPL-TR-32-435	N63-19302	18-2
JPL-TR-32-436	N63-22509	23-1
JPL-TR-32-439	N63-21994	22-3
JPL-TR-32-440	N63-18387	17-0
JPL-TR-32-442	N63-23050	24-0
JPL-TR-32-443	N63-19786	19-1
JPL-TR-32-444	N63-19787	19-2
JPL-TR-32-445	N63-21047	21-2
JPL-TR-32-447	N63-21986	22-2
JPL-TR-32-449	N63-21123	21-1
JPL-TR-32-450	N63-22895	23-0
JPL-TR-32-451	N63-22165	23-3
JPL-TR-32-454	N63-23048	24-2
JPL-TR-32-455	N63-22166	23-0
JPL-TR-32-458	N63-23806	24-2
JPL-TR-32-459	N63-22878	23-2
JPL-TR-32-465	N63-21904	22-0
JPL-TR-32-469	N63-22141	22-2
JPL-TR-32-497	N63-23021	24-0
JPL-TR-32-498	N63-23805	24-2
JPL-TR-32-508	N63-21325	21-1
JPL-TR-33-75	N63-21846	22-3
JPL-TR-33-376	N63-21903	22-3
JPL-TR-34-160	N63-18848	18-0
JPL-TR-34-229, ADD. 1	N63-21976	22-2
JPL-TR-34-257	N63-23012	24-1
JPL-WT-21-128	N63-22171	23-0
JPLAI/LS-260, SUPPL.	N63-16122	13-1
JPRS-12445	N63-11013	03-0
JPRS-12784	N63-13826	09-3
JPRS-13043	N63-13820	09-2
JPRS-13459	N63-13819	09-1
JPRS-13512	N63-14014	09-0
JPRS-13752	N63-13993	09-2
JPRS-13770	N63-13827	09-2
JPRS-13978	N63-13822	09-1
JPRS-14224	N63-11676	04-2
JPRS-14415	N63-23272	24-1
JPRS-14449	N63-11716	04-1
JPRS-14623	N63-11698	04-2
JPRS-15517	N63-11523	03-0
JPRS-15740	N63-11530	03-0
JPRS-16124	N63-10582	02-2
JPRS-16134	N63-10077	01-1
JPRS-16158	N63-10622	02-1

JPRS-16167	N63-10623	02-18
JPRS-16187	N63-10320	01-32
JPRS-16197	N63-10364	01-15
JPRS-16205	N63-10363	01-16
JPRS-16211	N63-11520	03-09
JPRS-16227	N63-10621	02-16
JPRS-16239	N63-10365	01-20
JPRS-16269	N63-10579	02-18
JPRS-16303	N63-10631	02-20
JPRS-16338	N63-10632	02-22
JPRS-16348	N63-10681	02-21
JPRS-16379	N63-10639	02-21
JPRS-16402	N63-10640	02-29
JPRS-16404	N63-11593	04-14
JPRS-16405	N63-10577	02-07
JPRS-16407	N63-10583	02-16
JPRS-16409	N63-10578	02-07
JPRS-16410	N63-10576	02-17
JPRS-16446	N63-10638	02-20
JPRS-16455	N63-10526	01-01
JPRS-16458	N63-10565	01-12
JPRS-16490	N63-10538	01-20
JPRS-16492	N63-10539	01-12
JPRS-16496	N63-10540	01-16
JPRS-16539	N63-10660	02-21
JPRS-16557	N63-10661	02-21
JPRS-16566	N63-10976	02-20
JPRS-16567	N63-10977	02-18
JPRS-16568	N63-10979	02-21
JPRS-16573	N63-10983	02-18
JPRS-16590	N63-10978	02-29
JPRS-16591	N63-10984	02-18
JPRS-16600	N63-10980	02-08
JPRS-16638	N63-10985	02-16
JPRS-16667	N63-10981	02-21
JPRS-16677	N63-10982	02-16
JPRS-16686	N63-11186	03-23
JPRS-16690	N63-11184	03-08
JPRS-16691	N63-11181	03-12
JPRS-16711	N63-10975	02-21
JPRS-16718	N63-10992	02-01
JPRS-16722	N63-11185	03-23
JPRS-16728	N63-10973	02-05
JPRS-16729	N63-10974	02-12
JPRS-16738	N63-11202	03-20
JPRS-16749	N63-11188	03-12
JPRS-16776	N63-11203	03-16
JPRS-16783	N63-11204	03-20
JPRS-16786	N63-11205	03-05
JPRS-16788	N63-11206	03-19
JPRS-16807	N63-11207	03-18
JPRS-16837	N63-11283	03-20
JPRS-16841	N63-11338	03-18
JPRS-16853	N63-11463	03-23
JPRS-16854	N63-11521	03-18
JPRS-16855	N63-11337	03-18
JPRS-16905	N63-11522	03-21
JPRS-16917	N63-11545	04-05
JPRS-16930	N63-11464	03-23
JPRS-16956	N63-11561	04-16
JPRS-16992	N63-11497	03-20
JPRS-16994	N63-11542	03-16
JPRS-16995	N63-11543	03-16
JPRS-17001	N63-11541	03-20
JPRS-17016	N63-11605	04-18
JPRS-17040	N63-11682	04-18
JPRS-17054	N63-11683	04-16
JPRS-17079	N63-11684	04-16
JPRS-17092	N63-11814	04-09
JPRS-17117	N63-11776	04-16
JPRS-17137	N63-11777	04-20
JPRS-17155	N63-11872	04-18
JPRS-17161	N63-11778	04-16
JPRS-17162	N63-11839	04-16
JPRS-17170	N63-11840	04-16
JPRS-17171	N63-11841	04-16
JPRS-17175	N63-11842	04-12
JPRS-17176	N63-11843	04-07
JPRS-17202	N63-11948	04-16
JPRS-17219	N63-11934	04-14
JPRS-17220	N63-11935	04-09
JPRS-17222	N63-12011	05-16
JPRS-17225	N63-12012	05-09
JPRS-17227	N63-12013	05-09
JPRS-17239	N63-12014	05-16
JPRS-17249	N63-12065	05-16
JPRS-17250	N63-12015	05-16
JPRS-17252	N63-12016	05-06
JPRS-17253	N63-12017	05-17
JPRS-17257	N63-12018	05-15
JPRS-17261	N63-12019	05-01
JPRS-17262	N63-12020	05-16
JPRS-17274	N63-12133	05-16
JPRS-17275	N63-12021	05-18
JPRS-17296	N63-12134	05-18
JPRS-17299	N63-12135	05-21
JPRS-17306	N63-12186	05-18
JPRS-17322	N63-12136	05-18
JPRS-17323	N63-12189	05-17
JPRS-17326	N63-12190	05-16
JPRS-17345	N63-12230	05-07
JPRS-17348	N63-12223	05-25
JPRS-17351	N63-15700	12-25
JPRS-17356	N63-12197	05-17
JPRS-17363	N63-12201	05-05
JPRS-17370	N63-12225	05-18
JPRS-17376	N63-12224	05-23
JPRS-17391	N63-12325	05-09
JPRS-17398	N63-12326	05-23
JPRS-17402	N63-12391	06-16
JPRS-17405	N63-12327	05-20
JPRS-18004	N63-21214	21-16
JPRS-18125	N63-20928	21-16
JPRS-18395	N63-21495	22-16
JPRS-18538	N63-21546	22-16
JPRS-18589	N63-21036	21-17
JPRS-20197	N63-19122	18-12
JPRS-20255	N63-19819	19-16
JPRS-20302	N63-19521	19-21
JPRS-20378	N63-19795	19-10
JPRS-20403	N63-19840	19-14
JPRS-20465	N63-20034	19-12
JPRS-20469	N63-19818	19-16
JPRS-20475	N63-19553	19-05
JPRS-20486	N63-20390	20-09
JPRS-20501	N63-19522	19-20
JPRS-20517	N63-19751	19-16
JPRS-20520	N63-20435	20-16
JPRS-20543	N63-19802	19-14
JPRS-20550	N63-19752	19-16
JPRS-20566	N63-20327	20-17
JPRS-20575	N63-19753	19-16
JPRS-20588	N63-19955	19-08
JPRS-20609	N63-19912	19-16
JPRS-20628	N63-19754	19-21
JPRS-20629	N63-20399	20-14
JPRS-20660	N63-21085	21-20
JPRS-20680	N63-20391	20-14
JPRS-20686	N63-19729	19-21
JPRS-20708	N63-19913	19-25
JPRS-20713	N63-20431	20-16
JPRS-20716	N63-22097	22-21
JPRS-20731	N63-20392	20-16
JPRS-20734	N63-19873	19-17
JPRS-20735	N63-20714	21-16
JPRS-20748	N63-19874	19-16
JPRS-20749	N63-19956	19-16
JPRS-20754	N63-22152	22-23
JPRS-20780	N63-20662	20-20
JPRS-20782	N63-20661	20-21
JPRS-20791	N63-20328	20-16
JPRS-20810	N63-20329	20-18
JPRS-20833	N63-21492	22-01
JPRS-20835	N63-20637	20-09
JPRS-20865	N63-20638	20-21
JPRS-20868	N63-20663	20-16
JPRS-20872	N63-20696	21-16
JPRS-20888	N63-20800	21-17
JPRS-20892	N63-22098	22-29
JPRS-20943	N63-21186	21-16
JPRS-20944	N63-20902	21-07
JPRS-20948	N63-21025	21-17
JPRS-20950	N63-21448	22-16
JPRS-20954	N63-20743	21-12
JPRS-20956	N63-20903	21-21
JPRS-20959	N63-21026	21-23
JPRS-20960	N63-20904	21-17
JPRS-20964	N63-20905	21-17
JPRS-20967	N63-20906	21-01
JPRS-20968	N63-20744	21-16
JPRS-20981	N63-21187	21-23
JPRS-20988	N63-22432	23-16
JPRS-20997	N63-22587	23-16
JPRS-21006	N63-23553	24-20
JPRS-21021	N63-21385	22-19
JPRS-21026	N63-21489	22-16
JPRS-21034	N63-22433	23-16
JPRS-21038	N63-22434	23-16
JPRS-21050	N63-22296	23-16
JPRS-21051	N63-23053	24-25

JPRS-21052	N63-21925	22-18
JPRS-21053	N63-22099	22-16
JPRS-21067	N63-22435	23-16
JPRS-21073	N63-21935	22-12
JPRS-21084	N63-22021	22-33
JPRS-21085	N63-22100	22-11
JPRS-21097	N63-21926	22-16
JPRS-21133	N63-21455	22-16
JPRS-21138	N63-21931	22-32
JPRS-21139	N63-22101	22-08
JPRS-21142	N63-21384	22-32
JPRS-21143	N63-21416	22-11
JPRS-21146	N63-21450	22-29
JPRS-21147	N63-22102	22-07
JPRS-21149	N63-21451	22-16
JPRS-21162	N63-22032	22-01
JPRS-21163	N63-22436	23-12
JPRS-21170	N63-22553	23-16
JPRS-21171	N63-22366	23-16
JPRS-21187	N63-22103	22-18
JPRS-21189	N63-22104	22-16
JPRS-21200	N63-22588	23-16
JPRS-21204	N63-22658	23-16
JPRS-21214	N63-23291	24-16
JPRS-21222	N63-22105	22-09
JPRS-21235	N63-22106	22-16
JPRS-21241	N63-22107	22-06
JPRS-21242	N63-23328	24-21
JPRS-21243	N63-22108	22-23
JPRS-21244	N63-22109	22-18
JPRS-21246	N63-22573	23-16
JPRS-21261	N63-22175	23-08
JPRS-21273	N63-22659	23-12
JPRS-21277	N63-22589	23-12
JPRS-21280	N63-23005	24-16
JPRS-21286	N63-22660	23-14
JPRS-21329	N63-22965	23-08
JPRS-21376	N63-22928	23-14
JPRS-21398	N63-23605	24-11
JPRS-21406	N63-22906	23-18
JPRS-21412	N63-23547	24-01
JPRS-21437	N63-22966	23-18
JPRS-21448	N63-23721	24-16
JPRS-21459	N63-23139	24-18
JPRS-21479	N63-22932	23-16
JPRS-21493	N63-23140	24-12
JPRS-21495	N63-23604	24-21
JPRS-21519	N63-23141	24-07
JPRS-21522	N63-22905	23-14
JPRS-21531	N63-23142	24-12
JPRS-21546	N63-23354	24-18
JPRS-21550	N63-23606	24-09
JPRS-21605	N63-23607	24-16
JPRS-21670	N63-23695	24-12
JPRS-21676	N63-23608	24-18
JPRS-21691	N63-23696	24-21
JPRS-21712	N63-23492	24-16
JPRS-21721	N63-23772	24-21
JS-3	N63-12379	06-12
K-213	N63-15438	12-33
K-1444	N63-16453	14-15
K-1445	N63-12172	05-15
K-1494	N63-23342	24-13
K-1531	N63-10357	01-11
K-1533	N63-10585	02-07
K-1534	N63-13276	07-01
K-1535	N63-12103	05-11
K-1549	N63-11174	03-27
K-1571	N63-18301	17-07
K-1577	N63-19774	19-15
K-1580	N63-20705	21-11
KAPL-2000-20	N63-17196	15-23
KAPL-2165-1	N63-15103	11-20
KAPL-2216	N63-14710	10-19
KAPL-2217	N63-15410	12-10
KAPL-2225	N63-10501	01-23
KAPL-2252	N63-15404	12-18
KAPL-2257	N63-17515	16-07
KE-TR-63-13	N63-22605	23-21
KN-173-62-2/FR/	N63-13265	07-21
KN-674-63-7/R/	N63-22244	23-23
KN-676-1/PR/	N63-18623	17-06
LA-2367	N63-14609	10-20
LA-2376 ADDENDA	N63-12173	05-20
LA-2390, SUPPL.	N63-14568	10-2
LA-2414	N63-14711	10-2
LA-2712	N63-11571	04-[illegible]
LA-2750	N63-11572	04-[illegible]
LA-2751	N63-14892	11-[illegible]
LA-2761	N63-11819	04-[illegible]
LA-2765	N63-12991	07-[illegible]
LA-2802	N63-13668	08-[illegible]
LA-2805	N63-15918	13-[illegible]
LA-2808	N63-15550	12-[illegible]
LA-2811	N63-13195	07-[illegible]
LA-2812	N63-11985	05-[illegible]
LA-2813	N63-12603	06-[illegible]
LA-2827	N63-18822	18-[illegible]
LA-2828	N63-12993	07-[illegible]
LA-2834	N63-15219	11-[illegible]
LA-2837	N63-15212	11-[illegible]
LA-2841	N63-18172	16-[illegible]
LA-2844	N63-14529	10-[illegible]
LA-2853	N63-16522	14-[illegible]
LA-2858	N63-16124	13-[illegible]
LA-2860	N63-18127	16-[illegible]
LA-2871	N63-19631	19-[illegible]
LA-2877	N63-17947	16-[illegible]
LA-2880	N63-15929	13-[illegible]
LA-2885	N63-18112	16-[illegible]
LA-2886	N63-16845	14-[illegible]
LA-2892	N63-18113	16-[illegible]
LA-2900	N63-19266	18-[illegible]
LA-2909	N63-21656	22-[illegible]
LA-2910	N63-22478	23-[illegible]
LA-2912	N63-19218	18-[illegible]
LA-2921	N63-21454	22-[illegible]
LA-2923	N63-22907	23-[illegible]
LA-2940	N63-22377	23-[illegible]
LA-2957	N63-22910	23-[illegible]
LAMONT GEOL. OBS. CONTR.-606	N63-17502	16-[illegible]
LAMS-2020	N63-21182	21-[illegible]
LAMS-2642	N63-15970	13-[illegible]
LAMS-2747	N63-12992	07-[illegible]
LAMS-2762	N63-10864	02-[illegible]
LAMS-2770	N63-10465	01-[illegible]
LAMS-2773	N63-11044	03-[illegible]
LAMS-2779	N63-11055	03-[illegible]
LAMS-2780	N63-10589	02-[illegible]
LAMS-2793	N63-11984	05-[illegible]
LAMS-2795	N63-12174	05-[illegible]
LAMS-2796	N63-10869	02-[illegible]
LAMS-2797	N63-13414	08-[illegible]
LAMS-2798	N63-13415	08-[illegible]
LAMS-2799	N63-13416	08-[illegible]
LAMS-2800	N63-13372	08-[illegible]
LAMS-2801	N63-12992	07-[illegible]
LAMS-2807	N63-11490	03-[illegible]
LAMS-2809	N63-12259	05-[illegible]
LAMS-2814	N63-12690	06-[illegible]
LAMS-2815	N63-11820	04-[illegible]
LAMS-2826	N63-14962	11-[illegible]
LAMS-2832	N63-13156	07-[illegible]
LAMS-2845	N63-14495	10-[illegible]
LAMS-2856	N63-17261	15-[illegible]
LAMS-2873	N63-15220	11-[illegible]
LAMS-2874	N63-14530	10-[illegible]
LAMS-2875	N63-14569	10-[illegible]
LAMS-2882	N63-18829	18-[illegible]
LAMS-2883	N63-17197	15-[illegible]
LAMS-2884	N63-19235	18-[illegible]
LAMS-2894	N63-15780	13-[illegible]
LAMS-2896	N63-18114	16-[illegible]
LAMS-2904	N63-18876	18-[illegible]
LAMS-2906	N63-19885	19-[illegible]
LAMS-2911	N63-19142	18-[illegible]
LAMS-2915	N63-18266	17-[illegible]
LAMS-2916	N63-19182	18-[illegible]
LAMS-2917	N63-20486	20-[illegible]
LAMS-2932	N63-20720	21-[illegible]
LAMS-2933	N63-19798	19-[illegible]
LAMS-2934	N63-21017	21-[illegible]
LAMS-2941	N63-22472	23-[illegible]
LAMS-2948	N63-22908	23-[illegible]
LAMS-2949	N63-20837	21-[illegible]
LAMS-2952	N63-22378	23-[illegible]
LAMS-2954	N63-22909	23-[illegible]
LAMS-2960	N63-23673	24-[illegible]
LAS-TR-199-36	N63-18473	17-[illegible]
LAS-TR-199-37	N63-20851	21-[illegible]

LB-30977	N63-12038	05-14
LB-31050	N63-19837	19-04
LB-31088	N63-19633	19-11
LB-31183	N63-12798	06-06
LC/B/-417	N63-17034	15-19
LF-3	N63-10547	01-16
LF-4	N63-19499	19-16
LF-5	N63-12321	05-16
LF-6	N63-14665	10-16
LF-7	N63-21378	22-07
LF-9	N63-19724	19-23
LL-37-8	N63-13476	08-07
LL-37-9	N63-13483	08-11
LL-37-10	N63-13477	08-02
LL-37-11	N63-13478	08-11
LL-37-12	N63-13479	08-11
LL-37-13	N63-13452	08-02
LL-37-14	N63-13453	08-02
LL-37-15	N63-13453	08-02
LL-37-16	N63-13454	08-07
LL-37-17	N63-13455	08-07
LL-AP-16	N63-21430	22-08
LL-AP-17	N63-21431	22-08
LLAP-20	N63-21725	22-20
LMSC-2-02-62-2	N63-14522	10-06
LMSC-2-08-62-2	N63-16335	13-28
LMSC-3-06-63-1	N63-22155	22-16
LMSC-3-80-62-28	N63-21360	22-09
LMSC-3-87-63-1	N63-22807	23-32
LMSC-5-10-63-26	N63-22993	23-08
LMSC-6-90-62-35	N63-21806	22-23
LMSC-6-90-62-116	N63-15960	13-20
LMSC-6-90-62-125	N63-14629	10-20
LMSC-6-90-63-20	N63-17127	15-25
LMSC-6-90-63-23	N63-16902	14-23
LMSC-6-90-63-24	N63-23499	24-23
LMSC-6-90-63-29	N63-15825	13-09
LMSC-6-90-63-31	N63-21318	21-11
LMSC-6-90-63-39	N63-23495	24-23
LMSC-6-90-63-86	N63-21285	21-33
LMSC-8-19-62-8	N63-19395	18-23
LMSC-8-55-63-3	N63-20841	21-13
LMSC-271597	N63-11180	03-31
LMSC-A003108 A	N63-16382	14-21
LMSC-A303606	N63-23694	24-29
LMSC-A337475	N63-20841	21-13
LMSC-A372006	N63-16794	14-30
LMSC-A384055	N63-23691	24-23
LMSC SB-61-56	N63-22352	23-24
LMSC-SB-63-32	N63-22576	23-07
LMSC-SB-63-70	N63-23799	24-01
LMSC-TR-3-80-61-2	N63-22329	23-11
LNF-62-60	N63-12565	06-23
LNF-62-61	N63-12566	06-23
LNF-62-63	N63-12567	06-23
LNF-62-66	N63-12568	06-15
LNF-62-67	N63-12569	06-23
LNF-62-68	N63-12570	06-23
LNF-62-70	N63-12571	06-25
LNF-62-73	N63-12572	06-09
LNF-62-75	N63-12573	06-23
LNF-62-84	N63-12613	06-25
LNF-62-85	N63-12574	06-23
LNF-62-87	N63-12575	06-23
LNF-62-89	N63-12576	06-23
LNF-62/99	N63-15572	12-23
LNF-62/105	N63-22969	23-23
LNF-62/108	N63-15442	12-23
LNF-62/109	N63-14799	11-23
LNF-62/111	N63-16749	14-09
LNF-62/113	N63-15568	12-25
LNF-63/1	N63-15449	12-09
LNF-63/2	N63-15474	12-15
LNF-63/3	N63-16824	14-23
LNF-63/4	N63-16946	14-23
LNF-63/5	N63-15450	12-23
LNF-63/6	N63-15384	12-24
LNF-63/11	N63-15565	12-23
LNF-63/16	N63-15569	12-23
LNF-63/17	N63-15537	12-09
LNF-63/18	N63-15857	13-23
LNF-63/19	N63-15573	12-23
LNF-63/21	N63-19281	18-23
LNF-63/22	N63-17126	15-25
LNF-63/26	N63-16243	13-25
LNF-63/31	N63-19627	19-23
LNF-63/33	N63-19590	19-23
LNF-63/34	N63-19270	18-23
LNF-63/38	N63-19591	19-23
LNF-63/43	N63-22996	23-23
LNF-63/44	N63-22995	23-23
LNF-63/46	N63-23195	24-23
LNF-63/47	N63-23193	24-23
LNF-63/50	N63-23196	24-15
LNF-63/52	N63-22994	23-23
LNF-63/53	N63-23197	24-08
LNF-63/54	N63-23194	24-23
LNF-63/55	N63-23198	24-23
LNF-63/61	N63-22968	23-23
LNF-63/62	N63-22925	23-23
LPC-556-M-1	N63-15863	13-20
LPC-578-F-2	N63-20831	21-26
LR-345	N63-16876	14-04
LR-16085	N63-11135	03-12
LR-16654	N63-15860	13-34
LRP-198 /2D ED./	N63-18834	18-26
LS-BIB-63-1	N63-23707	24-32
LW-INTERN-27	N63-11714	04-04
M58-4	N63-16340	13-15
M63-12-1	N63-11190	03-15
M-ASTR-IN-62-14	N63-21915	22-27
MAB-195-M	N63-23552	24-19
MATERIALS SCI. CONTRIB.-146	N63-13056	07-23
MATERIALS SCI. CONTRIB.-148	N63-13057	07-23
MATRIX-62-11	N63-13164	07-08
MATT-90	N63-10783	02-20
MATT-133	N63-10361	01-24
MATT-134	N63-11704	04-24
MATT-139	N63-11705	04-24
MATT-142	N63-10784	02-23
MATT-143	N63-15025	11-24
MATT-144	N63-10317	01-24
MATT-145	N63-10319	01-24
MATT-148	N63-12102	05-07
MATT-151	N63-14997	11-24
MATT-152	N63-11706	04-24
MATT-153	N63-12803	06-24
MATT-154	N63-11707	04-33
MATT-155	N63-11708	04-24
MATT-157	N63-15476	12-24
MATT-158	N63-13504	08-24
MATT-159	N63-12791	06-24
MATT-161	N63-14998	11-24
MATT-162	N63-16468	14-15
MATT-163	N63-12792	06-24
MATT-164	N63-12793	06-24
MATT-165	N63-15028	11-24
MATT-166	N63-13488	08-24
MATT-167	N63-15747	12-25
MATT-168	N63-15477	12-24
MATT-169	N63-16180	13-24
MATT-170	N63-15478	12-24
MATT-171	N63-16958	14-24
MATT-174	N63-13489	08-24
MATT-175	N63-14999	11-24
MATT-177	N63-18741	17-24
MATT-180	N63-19899	19-24
MATT-182	N63-23156	24-25
MATT-185	N63-17553	16-24
MATT-186	N63-17444	15-15
MATT-187	N63-16959	14-24
MATT-188	N63-16960	14-25
MATT-189	N63-21158	21-24
MATT-190	N63-19900	19-24
MATT-191	N63-17481	16-24
MATT-192	N63-17398	15-24
MATT-194	N63-21188	21-24
MATT-196	N63-17590	16-24
MATT-197	N63-23094	24-24

MATT-198	N63-18743	17-24
MATT-199	N63-21213	21-24
MATT-200	N63-23095	24-24
MATT-203	N63-22997	23-24
MATT-204	N63-19910	19-24
MATT-205	N63-22323	23-24
MATT-206	N63-20988	21-24
MATT-210	N63-23090	24-24
MATT-Q-19	N63-11347	03-24
MATT-Q-20	N63-14040	09-24
MB-R-63-14	N63-22123	22-11
MC-102	N63-10957	02-20
MC-104	N63-10958	02-08
MC-106	N63-10959	02-08
MC-110	N63-10960	02-32
MCW-1479	N63-12022	05-07
MCW-1480	N63-18073	16-07
MD-63-1	N63-14650	10-11
MDL-Q3	N63-15029	11-09
MDL-Q4	N63-18701	17-09
ME-1-62	N63-21811	22-19
ME-3	N63-15498	12-33
ME-6	N63-19435	19-33
ME-TN-394-1	N63-23656	24-02
MET-1078-863-I1	N63-20674	20-33
MET-E-1040-6305Q2	N63-20370	20-18
MF-33	N63-12985	07-24
MF-34	N63-17478	15-11
MF-35	N63-15781	13-11
MH-AERO-2662-TR2	N63-10337	01-16
MH-MPG-1529-TR4	N63-17228	15-20
MH-MPG-1529-TR-7	N63-14340	10-20
MH-MPG-1529-TR8	N63-21069	21-20
MHD-636	N63-20839	21-24
MIL-STD-810 /USAF/	N63-16945	14-10
MIT-22G-10	N63-21292	21-04
MIT-29-P	N63-12302	05-27
MIT-32-P	N63-19167	18-13
MIT-34-P	N63-18984	18-13
MIT-AL-TR-29	N63-15946	13-04
MIT-DSR-8180	N63-11678	04-11
MIT-DSR-8951	N63-14041	09-11
MIT-DSR-9015	N63-20751	21-11
MIT-DSR-9126	N63-20659	20-11
MIT FLUID DYN. RES. LAB.-63-1	N63-14410	10-02
MIT FLUID DYN. RES. LAB.-63-2	N63-17020	15-11
MIT FLUID DYN. RES. LAB.-63-3	N63-19113	18-02
MIT-H-462	N63-17509	16-05
MIT R62-15	N63-16311	13-34
MIT-TR-176	N63-13460	08-15
MIT-TR-178	N63-16698	14-23
MIT-TR-179	N63-17564	16-07
MIT-TR-180	N63-18875	18-25
MIT-TR-181	N63-20974	21-25
MIT-TR-391	N63-14965	11-20
MIT-TR-397	N63-14964	11-03
MIT-TR-408	N63-17173	15-11
MIT-TR-411	N63-18004	16-09
MIT-TR-412	N63-22274	23-05
MITNE-21	N63-12108	05-13
MITNE-22, BK.I	N63-12130	05-13
MITNE-22, BK.II	N63-12130	05-13
MITS-49	N63-12458	06-07
ML-945	N63-15842	13-09
ML-975	N63-12059	05-05
ML-1028	N63-17623	16-2
ML-1055	N63-22999	23-2
ML-1057	N63-22912	23-2
ML-1060	N63-22911	23-2
MLM-987	N63-16556	14-1
MLM-1129	N63-10419	01-1
MLM-1133	N63-10420	01-0
MLM-1135	N63-10421	01-0
MLM-1136	N63-11348	03-0
MLM-1137	N63-11349	03-0
MLM-1138	N63-11350	03-0
MLM-1144	N63-14625	10-2
MLM-1145	N63-15558	12-1
MLM-1146	N63-20345	20-0
MLM-1147-TR	N63-13419	08-3
MLM-1159	N63-20922	21-2
MND-2584-4	N63-20652	20-2
MND-2866-1	N63-16922	14-0
MND-2903 /VOL. 1/	N63-16362	14-2
MND-2939	N63-21814	22-2
MND-M-2935/VOL. 1/	N63-21402	22-2
MND-P-2483-6	N63-10309	01-0
MND-P-2835	N63-15036	11-1
MND-P-2836	N63-20584	20-0
MND-P-2953	N63-16336	13-3
MND-P-3019-I	N63-16331	13-3
MO-712	N63-11852	04-2
MO-728	N63-12630	06-2
MO-744	N63-21716	22-2
MP-146	N63-22266	23-0
MP-214	N63-10066	01-3
MP-215	N63-10067	01-0
MPTR-2-251-1	N63-21234	21-1
MR-21	N63-19871	19-0
MR-22	N63-23007	24-2
MR-22-1	N63-22890	23-2
MR-27	N63-22891	23-0
MR-28	N63-22892	23-0
MR-29	N63-22893	23-0
MR-33	N63-22353	23-0
MR-005.09-1401.04	N63-12048	05-0
MR-25090	N63-22918	23-0
MR-25093	N63-22894	23-0
MR163-FR-71, PT. A	N63-22416	23-2
MR163-FR-71, PT. B	N63-22417	23-2
MR-N-300	N63-19439	19-1
MRB-2022Q1	N63-10993	02-2
MRB-2022Q2	N63-14221	09-2
MRB-2022Q3	N63-16374	14-2
MRB-2022Q4	N63-19102	18-0
MRC-240	N63-14458	10-2
MRC-269	N63-14945	11-2
MRC-278	N63-14459	10-2
MRC-292	N63-14460	10-2
MRC-293	N63-14475	10-2
MRC-294	N63-14476	10-2
MRC-297	N63-14477	10-2
MRC-299	N63-14474	10-1
MRC-300	N63-14473	10-2
MRC-301	N63-14505	10-2
MRC-303	N63-14478	10-2
MRC-305	N63-14479	10-2
MRC-306	N63-14506	10-2
MRC-309	N63-14461	10-2
MRC-310	N63-14462	10-2
MRC-311	N63-16384	14-2
MRC-312	N63-14463	10-2
MRC-313	N63-14433	10-2
MRC-314	N63-14507	10-2
MRC-315	N63-14508	10-2
MRC-316	N63-14509	10-2
MRC-317	N63-14510	10-2
MRC-318	N63-14511	10-3
MRC-319	N63-14424	10-2
MRC-320	N63-16528	14-2
MRC-321	N63-14425	10-2
MRC-322	N63-16529	14-2
MRC-323	N63-14512	10-2
MRC-324	N63-14453	10-2

MRC-325 ..... N63-13633 08-20
MRC-326 ..... N63-14454 10-33
MRC-327 ..... N63-14455 10-20
MRC-328 ..... N63-14513 10-20
MRC-330 ..... N63-14514 10-20
MRC-331 ..... N63-14515 10-20
MRC-332 ..... N63-14456 10-20
MRC-334 ..... N63-14480 10-20
MRC-341 ..... N63-11448 03-20
MRC-342 ..... N63-14457 10-20
MRC-344 ..... N63-11449 03-20
MRC-345 ..... N63-16552 14-20
MRC-346 ..... N63-11452 03-20
MRC-347 ..... N63-11451 03-20
MRC-348 ..... N63-11450 03-20
MRC-349 ..... N63-12381 06-20
MRC-350 ..... N63-12382 06-20
MRC-351 ..... N63-12383 06-05
MRC-352 ..... N63-11453 03-20
MRC-353 ..... N63-12384 06-20
MRC-354 ..... N63-12385 06-20
MRC-355 ..... N63-14583 10-20
MRC-356 ..... N63-13330 08-20
MRC-357 ..... N63-13331 08-20
MRC-358 ..... N63-12386 06-11
MRC-359 ..... N63-12387 06-20
MRC-360 ..... N63-14596 10-24
MRC-361 ..... N63-12388 06-20
MRC-362 ..... N63-11454 03-20
MRC-363 ..... N63-14593 10-20
MRC-364 ..... N63-13332 08-20
MRC-365 ..... N63-14584 10-20
MRC-366 ..... N63-11455 03-20
MRC-367 ..... N63-12389 06-20
MRC-368 ..... N63-13333 08-20
MRC-369 ..... N63-12390 06-20
MRC-370 ..... N63-13334 08-20
MRC-371 ..... N63-19320 18-20
MRC-372 ..... N63-13335 08-20
MRC-373 ..... N63-14594 10-11
MRC-374 ..... N63-14595 10-11
MRC-375 ..... N63-13336 08-20
MRC-377 ..... N63-13337 08-20
MRC-383 ..... N63-15909 13-20
MRC-385 ..... N63-16043 13-16
MRC-386 ..... N63-15953 13-23
MRC-387 ..... N63-15910 13-20
MRC-388 ..... N63-15938 13-24
MRC-390 ..... N63-16589 14-20
MRC-391 ..... N63-15939 13-20
MRC-392 ..... N63-16666 14-20
MRC-393 ..... N63-16590 14-20
MRC-394 ..... N63-15703 12-20
MRC-395 ..... N63-22645 23-09
MRC-396 ..... N63-16791 14-20
MRC-397 ..... N63-16591 14-20
MRC-398 ..... N63-16594 14-20
MRC-399 ..... N63-19013 18-11
MRC-400 ..... N63-19091 18-20
MRC-401 ..... N63-19319 18-20
MRC-402 ..... N63-19318 18-20
MRC-403 ..... N63-19126 18-20
MRC-404 ..... N63-22646 23-20
MRC-406 ..... N63-22616 23-20
MRC-407 ..... N63-22647 23-20
MRC-408 ..... N63-19127 18-11
MRC-412 ..... N63-22648 23-20
MRC-413 ..... N63-22649 23-20
MRC-415 ..... N63-22650 23-20
MRC-1299 ..... N63-16998 15-17
MRC-6781 ..... N63-21744 22-23

MRG-286 ..... N63-17721 16-33

MRI-228-05 ..... N63-19213 18-17

MRL-114/R/ N63-16256 13-23
MRL-118 ..... N63-14269 10-23
MRL-123 ..... N63-10310 01-25
MRL-124 ..... N63-10281 01-23
MRL-125 ..... N63-11769 04-18
MRL-126 ..... N63-12094 05-23
MRL-127 ..... N63-11770 04-23
MRL-128 ..... N63-21783 22-23
MRL-129 ..... N63-21795 22-19
MRL-130 ..... N63-21789 22-25
MRL-131 ..... N63-21809 22-12
MRL-132 ..... N63-21796 22-09
MRL-133 ..... N63-21810 22-23

MRL MEMO. V-6 ..... N63-21379 22-16

MRL-MEMO-P-9 ..... N63-19010 18-04

MRL-TDR-62-3 ..... N63-13810 09-09
MRL-TDR-62-4 ..... N63-13146 07-01
MRL-TDR-62-9 ..... N63-13811 09-01
MRL-TDR-62-11 ..... N63-13812 09-23
MRL-TDR-62-14 ..... N63-10389 01-01
MRL-TDR-62-27/II/ N63-10731 02-20
MRL-TDR-62-61 ..... N63-18012 16-16
MRL-TDR-62-66 ..... N63-16472 14-14
MRL-TDR-62-71 ..... N63-10906 02-16
MRL-TDR-62-72 ..... N63-11405 03-14
MRL-TDR-62-78 ..... N63-15467 12-14
MRL-TDR-62-79 ..... N63-14044 09-14

MS-703 ..... N63-11422 03-32
MS-709 ..... N63-12842 07-09
MS-770 ..... N63-11851 04-09
MS-10039-M N63-16982 14-23

MSC-HR-1 ..... N63-21848 22-32

MSFC-PROC-196 ..... N63-21651 22-19

MSL-10 ..... N63-11881 04-21
MSL-10, SUPPL. N63-17446 15-21
MSL-11 ..... N63-17579 16-20

MTC-TDR-63-6 ..... N63-20710 21-08

MTI-62TR14 ..... N63-16314 13-17
MTI-62TR20 ..... N63-10096 01-17
MTI-62TR21 ..... N63-23753 24-33
MTI-62TR22 ..... N63-10125 01-17
MTI-62TR29 ..... N63-11756 04-17
MTI-62TR34 ..... N63-17683 16-17
MTI-62TR37 ..... N63-13751 08-33
MTI-62TR38 ..... N63-13752 08-33
MTI-62TR40 ..... N63-13086 07-17
MTI-62TR41 ..... N63-14815 11-13
MTI-63TR3 ..... N63-13750 08-17
MTI-63TR4 ..... N63-18996 18-17
MTI-63TR5 ..... N63-17684 16-17
MTI-63TR8 ..... N63-14816 11-17
MTI-63TR13 ..... N63-15859 13-17
MTI-63TR15 ..... N63-15785 13-17
MTI-241/1-63/ N63-17684 16-17

MTO-198-44 ..... N63-22147 22-04

MTP-AERO-62-21 ..... N63-20191 20-29
MTP-AERO-62-35 ..... N63-20193 20-31
MTP-AERO-62-37 ..... N63-21628 22-27
MTP-AERO-62-40 ..... N63-21900 22-02
MTP-AERO-62-41 ..... N63-16710 14-20
MTP-AERO-62-52 ..... N63-18688 17-29
MTP-AERO-62-53 ..... N63-22511 23-11
MTP-AERO-62-55 ..... N63-23027 24-30
MTP-AERO-62-71 ..... N63-21995 22-20
MTP-AERO-62-72 ..... N63-22583 23-12
MTP-AERO-62-76 ..... N63-19944 19-22
MTP-AERO-62-82 ..... N63-16723 14-20
MTP-AERO-62-84 ..... N63-19963 19-29
MTP-AERO-63-12 ..... N63-16801 14-01
MTP-AERO-63-15 ..... N63-20206 20-29
MTP-AERO-63-21 ..... N63-23031 24-15
MTP-AERO-63-23 ..... N63-19367 18-12
MTP-AERO-63-27 ..... N63-20207 20-29
MTP-AERO-63-28 ..... N63-19988 19-02
MTP-AERO-63-29 ..... N63-21728 22-22
MTP-AERO-63-34 ..... N63-22196 23-02
MTP-AERO-63-38 ..... N63-19391 18-29
MTP-AERO-63-39 ..... N63-19943 19-22
MTP-AERO-63-47 ..... N63-23818 24-13
MTP-AERO-63-74 ..... N63-20209 20-29

MTP-COMP-62-1 ..... N63-19390 18-29
MTP-COMP-63-2 ..... N63-23030 24-09

MTP-LVO-63-5 ..... N63-21910 22-23

MTP-M-S&M-F-61-2 ..... N63-20196 20-29

MTP-P&VE-62-14 ..... N63-20215 20-19

MTP-P&VE-F-62-4 ..... N63-18403 17-20
MTP-P&VE-F-62-11 ..... N63-16671 14-30
MTP-P&VE-F-62-12 ..... N63-17342 15-20

MTP-P&VE-F-63-2	N63-22277	23-22
MTP-P&VE-F-63-3	N63-22173	23-29
MTP-P&VE-F-63-6	N63-22393	23-29
MTP-P&VE-F-63-7	N63-22018	22-31
MTP-P&VE-F-63-10	N63-21901	22-27
MTP-P&VE-M-62-7	N63-21365	22-19
MTP-P&VE-M-62-9	N63-16439	14-20
MTP-P&VE-M-62-13	N63-19264	18-18
MTP-P&VE-M-62-15	N63-19263	18-13
MTP-P&VE-M-62-16	N63-23028	24-18
MTP-P&VE-M-63-1	N63-23032	24-19
MTP-P&VE-M-63-8	N63-23014	24-18
MTP-P&VE-M-63-9	N63-23040	24-13
MTP-P&VE-M-63-10	N63-22538	23-18
MTP-P&VE-P-62-4	N63-18484	17-25
MTP-P&VE-P-62-6	N63-16673	14-26
MTP-RP-62-5	N63-18417	17-13
MTP-TEST-63-6	N63-18486	17-12
MURA-644	N63-10070	01-23
MURA-645	N63-10071	01-23
MURA-649	N63-10740	02-23
N-106-210	N63-14900	11-15
N-26507	N63-22522	23-20
N-51573	N63-16892	14-11
N-60991	N63-16891	14-13
N-77471	N63-19999	19-13
N-91258	N63-18848	18-02
N-93082	N63-16890	14-13
N-98199	N63-21253	21-27
N-104182	N63-23342	24-13
N-105212	N63-16440	14-27
N-107716	N63-16244	13-33
N-108346	N63-15915	13-29
NA-27-0001	N63-17420	15-17
NA-62-283	N63-11341	03-16
NA-62-1110	N63-10466	01-03
NA-62H-397	N63-15046	11-04
NA-62H-973	N63-20170	20-33
NA-63-1	N63-18847	18-11
NA-63-3	N63-20389	20-11
NA-63-5	N63-19212	18-11
NA62H-46	N63-16334	13-17
NA62H-46-ORD-241	N63-18251	17-17
NAA-SR-6246	N63-17695	16-18
NAA-SR-6305	N63-10558	01-06
NAA-SR-6307	N63-10588	02-06
NAA-SR-7077	N63-12208	05-15
NAA-SR-7085	N63-15905	13-27
NAA-SR-7098	N63-14661	10-26
NAA-SR-7140	N63-11825	04-06
NAA-SR-7144	N63-17443	15-06
NAA-SR-7263	N63-14342	10-23
NAA-SR-7288	N63-12742	06-06
NAA-SR-7368	N63-16939	14-06
NAA-SR-7398	N63-12155	05-19
NAA-SR-7400	N63-18010	16-23
NAA-SR-7432	N63-16934	14-06
NAA-SR-7455	N63-17245	15-17
NAA-SR-7482	N63-11826	04-07
NAA-SR-7511	N63-11827	04-07
NAA-SR-7541	N63-17477	15-23
NAA-SR-7654	N63-13207	07-19
NAA-SR-7661	N63-12765	06-09
NAA-SR-7736	N63-13034	07-26
NAA-SR-7752	N63-14970	11-15
NAA-SR-7770	N63-14561	10-13
NAA-SR-7786	N63-14022	09-23
NAA-SR-7797	N63-14724	11-06
NAA-SR-7875	N63-17250	15-13
NAA-SR-7909	N63-22093	22-16
NAA-SR-7918	N63-18180	16-07
NAA-SR-7921	N63-21442	22-23
NAA-SR-7954	N63-13027	07-13
NAA-SR-7973	N63-14963	11-17
NAA-SR-8085	N63-16559	14-23
NAA-SR-8086	N63-17962	16-18
NAA-SR-8097	N63-14664	10-06
NAA-SR-8108	N63-22816	23-19
NAA-SR-8127	N63-15415	12-32
NAA-SR-8171	N63-14959	11-11
NAA-SR-8235	N63-19221	18-07
NAA-SR-8263	N63-22675	23-26
NAA-SR-8303	N63-22359	23-1
NAA-SR-8304	N63-18265	17-0
NAA-SR-8361	N63-23525	24-1
NAA-SR-8377	N63-22661	23-2
NAA-SR-8401	N63-18821	18-2
NAA-SR-8403	N63-23648	24-1
NAA-SR-8422	N63-19741	19-2
NAA-SR-8468	N63-18884	18-2
NAA-SR-8490	N63-22971	23-2
NAA-SR-8507	N63-23519	24-1
NAA-SR-8538	N63-22662	23-1
NACA-RM-A50H10	N63-12537	06-0
NACA-RM-A52E27	N63-12539	06-2
NACA-RM-A52J30	N63-13864	09-1
NACA-RM-A55J07	N63-13114	07-0
NACA-RM-A55L13B	N63-13881	09-0
NACA-RM-A57D11	N63-13107	07-0
NACA-RM-A57J01	N63-12503	06-0
NACA-RM-A57K21	N63-13877	09-1
NACA-RM-A58E21	N63-12504	06-0
NACA-RM-A58F02	N63-12505	06-0
NACA-RM-A58F30	N63-20532	20-0
NACA-RM-E50H24	N63-12545	06-2
NACA-RM-E51D30	N63-17986	16-2
NACA-RM-E51F14	N63-12538	06-2
NACA-RM-E52C13	N63-14759	11-2
NACA-RM-E53B04	N63-13876	09-2
NACA-RM-E53C18	N63-18645	17-0
NACA-RM-E53D20	N63-13281	07-1
NACA-RM-E53D29	N63-13193	07-2
NACA-RM-E53F05	N63-12536	06-2
NACA-RM-E54A15	N63-13863	09-2
NACA-RM-E54B18	N63-14760	11-2
NACA-RM-E54B24	N63-13865	09-0
NACA-RM-E54C30	N63-16233	13-2
NACA-RM-E54D08	N63-12530	06-2
NACA-RM-E54E06	N63-20531	20-2
NACA-RM-E54G08	N63-12531	06-2
NACA-RM-E54G15	N63-12526	06-1
NACA-RM-E54G28	N63-12525	06-0
NACA-RM-E54H11	N63-13987	09-2
NACA-RM-E54H19	N63-12506	06-0
NACA-RM-E54J14	N63-12507	06-2
NACA-RM-E55C28A	N63-12541	06-2
NACA-RM-E55E04	N63-12540	06-2
NACA-RM-E55F22	N63-12535	06-2
NACA-RM-E55G01	N63-12543	06-2
NACA-RM-E55G21A	N63-12508	06-0
NACA-RM-E55H04A	N63-12524	06-2
NACA-RM-E55I14	N63-12528	06-2
NACA-RM-E55J17A	N63-12509	06-2
NACA-RM-E56C09	N63-14761	11-2
NACA-RM-E56D10	N63-12510	06-0
NACA-RM-E56D16	N63-12529	06-2
NACA-RM-E56D24	N63-16234	13-2
NACA-RM-E56E14	N63-12907	07-2
NACA-RM-E56G19	N63-12542	06-2
NACA-RM-E56H23	N63-12523	06-0
NACA-RM-E56I18	N63-12532	06-0
NACA-RM-E56I26	N63-12522	06-0
NACA-RM-E56J01	N63-13879	09-0
NACA-RM-E56J11	N63-12511	06-2
NACA-RM-E57A07	N63-14762	11-0
NACA-RM-E57C01	N63-16235	13-2
NACA-RM-E57C07	N63-16236	13-2
NACA-RM-E57D03	N63-12512	06-1
NACA-RM-E57D19	N63-12513	06-2
NACA-RM-E57E09	N63-12547	06-0
NACA-RM-E57-G02	N63-20485	20-0
NACA-RM-E57G08	N63-12546	06-0
NACA-RM-E57G26A	N63-12514	06-2
NACA-RM-E57G09	N63-20525	20-3
NACA-RM-E57H01	N63-12544	06-2
NACA-RM-E57I13	N63-12527	06-1
NACA-RM-E57J02	N63-13872	09-0
NACA-RM-E57J29	N63-17466	15-0
NACA-RM-E58B13	N63-13861	09-0
NACA-RM-E58C19A	N63-12909	07-2
NACA-RM-E58C25	N63-13878	09-2
NACA-RM-E58D01	N63-12515	06-2
NACA-RM-E58E14	N63-18045	16-0
NACA-RM-E58E20	N63-12516	06-0
NACA-RM-E58F20A	N63-20534	20-2
NACA-RM-E58G10A	N63-12517	06-2
NACA-RM-E58G17	N63-12691	06-2
NACA-RM-H57J09	N63-12518	06-0
NACA-RM-H58E28	N63-18047	16-0

NACA-RM-L53I23	N63-20533	20-03
NACA-RM-L54C22	N63-13867	09-03
NACA-RM-L55A13A	N63-13860	09-02
NACA-RM-L55E26A	N63-13868	09-02
NACA-RM-L55H01	N63-13873	09-02
NACA-RM-L55H23	N63-12519	06-02
NACA-RM-L55I13A	N63-12480	06-03
NACA-RM-L55J24	N63-12520	06-02
NACA-RM-L55K15	N63-13870	09-02
NACA-RM-L55L07	N63-13880	09-02
NACA-RM-L55L08	N63-13869	09-02
NACA-RM-L56E11	N63-13986	09-30
NACA-RM-L56E22	N63-12910	07-03
NACA-RM-L56F05	N63-13862	09-02
NACA-RM-L56G06	N63-20526	20-33
NACA-RM-L56I13	N63-12533	06-02
NACA-RM-L57C11	N63-14763	11-33
NACA-RM-L57D18A	N63-18041	16-03
NACA-RM-L57D22B	N63-16237	13-03
NACA-RM-L57D25A	N63-16238	13-33
NACA-RM-L57D25B	N63-12647	06-02
NACA-RM-L57D25C	N63-12648	06-02
NACA-RM-L57D26A	N63-16239	13-33
NACA-RM-L57D30A	N63-16240	13-33
NACA-RM-L57F21	N63-12521	06-27
NACA-RM-L57G15	N63-20527	20-02
NACA-RM-L57H13	N63-12534	06-02
NACA-RM-L57K29	N63-13875	09-13
NACA-RM-L57L03	N63-13874	09-13
NACA-RM-L58B25	N63-13882	09-33
NACA-RM-L58D25A	N63-16241	13-13
NACA-RM-L58E12	N63-12911	07-03
NACA-RM-L58E12A	N63-18044	16-04
NACA-RM-L58E14	N63-18043	16-18
NACA-RM-L58E16	N63-18046	16-04
NACA-RM-L58G03	N63-20530	20-13
NACA-RM-L58G21	N63-20529	20-13
NACA-RM-L51128	N63-13866	09-03
NACA-RM-L53I08A	N63-20528	20-02
NACA-RM-L55127A	N63-13871	09-02
NACA-RM-SL54A06	N63-12762	06-03
NACA-RM-SL54C12	N63-12763	06-03
NACA-TM-E57C29	N63-12908	07-27
NACA-TM-L53G10A	N63-12480	06-03
NACA-TN-4133	N63-15762	12-11
NACA-TN-4201	N63-14871	11-02
NADC-EL-6319	N63-19446	19-09
NADC-EL-N6208	N63-16980	14-15
NADC-MA-6115	N63-20693	21-14
NADC-MA-6119	N63-17328	15-15
NADC-MA-6212	N63-10192	01-16
NADC-MA-6213	N63-10193	01-16
NADC-MA-6214	N63-12716	06-16
NADC-MA-6215	N63-12666	06-13
NADC-MA-6216	N63-13011	07-13
NADC-MA-6217	N63-13013	07-13
NADC-MA-6218	N63-12717	06-16
NADC-MA-6219	N63-17063	15-14
NADC-MA-6302	N63-14239	10-20
NADC-MA-6303	N63-17329	15-16
NADC-MA-6306	N63-18385	17-16
NADC-MA-6307	N63-20520	20-16
NADC-MA-6309	N63-20694	21-14
NADC-MA-6313	N63-22426	23-16
NADC-MA-6314	N63-22427	23-16
NADC-MA-6315	N63-22428	23-16
NAEC-ACEL-491	N63-19152	18-10
NAEC-ASL-1063	N63-22850	23-02
NAI-56-755	N63-12816	06-05
NAL-TN-MM-1-62	N63-21672	22-20
NAL-TN-WP-19-62	N63-20949	21-21
NAL-TN-WP-20-63	N63-20948	21-21
NAL-TR-9T	N63-11907	04-03
NAL-TR-24	N63-11908	04-10
NAL-TR-26	N63-11909	04-02
NAL-TR-27	N63-11910	04-03
NAL-TR-28	N63-11911	04-33
NAMC-ACEL-488	N63-10114	01-04
NAMC-AML-1319	N63-15402	12-18
NAMC-ASL-1042	N63-13567	08-10
NARF-63-IT	N63-19439	19-19
NAS/NRC-1079	N63-11562	04-01
NAS-NRC-1086	N63-16837	14-16
NAS-NRC-1134	N63-20817	21-17
NAS-NRC/PUB-977	N63-12844	07-16
NAS-NS-3107	N63-15841	13-07
NASA-AL-B-2-63	N63-13744	08-01
NASA-AL-C-4063	N63-21273	21-29
NASA-AL-D-4-63	N63-21336	21-32
NASA-CR-4	N63-22806	23-32
NASA-CR-6	N63-17315	15-23
NASA-CR-7	N63-17316	15-07
NASA-CR-8	N63-17318	15-12
NASA-CR-10	N63-17320	15-07
NASA-CR-11	N63-17312	15-28
NASA-CR-12	N63-17311	15-12
NASA-CR-13	N63-17317	15-12
NASA-CR-14	N63-17314	15-05
NASA-CR-15	N63-17313	15-07
NASA-CR-19	N63-21897	22-29
NASA-CR-62-14	N63-22137	22-04
NASA-CR-403	N63-18063	16-25
NASA-CR-31140	N63-21332	21-19
NASA-CR-50000	N63-18867	18-34
NASA-CR-50001	N63-16724	14-10
NASA-CR-50011	N63-16720	14-07
NASA-CR-50014	N63-16719	14-11
NASA-CR-50016	N63-17152	15-29
NASA-CR-50020	N63-16677	14-33
NASA-CR-50027	N63-16721	14-23
NASA-CR-50028	N63-16675	14-12
NASA-CR-50033	N63-16678	14-28
NASA-CR-50041	N63-17225	15-23
NASA-CR-50043	N63-16676	14-27
NASA-CR-50044	N63-16679	14-24
NASA-CR-50045	N63-16670	14-28
NASA-CR-50049	N63-16722	14-11
NASA-CR-50056	N63-16548	14-24
NASA-CR-50058	N63-18407	17-09
NASA-CR-50061	N63-18406	17-12
NASA-CR-50062	N63-17336	15-08
NASA-CR-50064	N63-17214	15-29
NASA-CR-50065	N63-17226	15-29
NASA-CR-50067	N63-18402	17-14
NASA-CR-50076	N63-16558	14-29
NASA-CR-50094	N63-17213	15-18
NASA-CR-50096	N63-18291	17-05
NASA-CR-50104	N63-17266	15-01
NASA-CR-50113	N63-16888	14-09
NASA-CR-50116	N63-18050	16-12
NASA-CR-50117	N63-16731	14-29
NASA-CR-50118	N63-17337	15-07
NASA-CR-50119	N63-16885	14-18
NASA-CR-50124	N63-16733	14-07
NASA-CR-50131	N63-16726	14-29
NASA-CR-50132	N63-17212	15-23
NASA-CR-50136	N63-18049	16-09
NASA-CR-50138	N63-16668	14-06
NASA-CR-50142	N63-17170	15-05
NASA-CR-50143	N63-17028	15-15
NASA-CR-50148	N63-17133	15-29
NASA-CR-50149	N63-17216	15-29
NASA-CR-50152	N63-17161	15-12
NASA-CR-50153	N63-16728	14-28
NASA-CR-50154	N63-17218	15-18
NASA-CR-50156	N63-17169	15-19
NASA-CR-50159	N63-16732	14-11
NASA-CR-50160	N63-17149	15-15
NASA-CR-50169	N63-18293	17-15
NASA-CR-50172	N63-17139	15-21
NASA-CR-50173	N63-16779	14-12
NASA-CR-50175	N63-17140	15-09
NASA-CR-50176	N63-17134	15-12
NASA-CR-50178	N63-16562	14-33
NASA-CR-50181	N63-17153	15-12
NASA-CR-50182	N63-17138	15-17
NASA-CR-50184	N63-17158	15-11

NASA-CR-50186 ..... N63-16687 14-23
NASA-CR-50187 ..... N63-16685 14-23
NASA-CR-50190 ..... N63-17137 15-12
NASA-CR-50192 ..... N63-16683 14-11
NASA-CR-50193 ..... N63-17335 15-21
NASA-CR-50194 ..... N63-16884 14-25
NASA-CR-50200 ..... N63-17215 15-07
NASA-CR-50201 ..... N63-17319 15-01
NASA-CR-50204 ..... N63-17728 16-06
NASA-CR-50205 ..... N63-17206 15-16
NASA-CR-50206 ..... N63-17729 16-16
NASA-CR-50207 ..... N63-18285 17-33
NASA-CR-50210 ..... N63-17205 15-18
NASA-CR-50211 ..... N63-17338 15-23
NASA-CR-50215 ..... N63-17217 15-20
NASA-CR-50216 ..... N63-18404 17-24
NASA-CR-50221 ..... N63-17954 16-14
NASA-CR-50225 ..... N63-18166 16-10
NASA-CR-50226 ..... N63-17730 16-07
NASA-CR-50229 ..... N63-17204 15-07
NASA-CR-50235 ..... N63-17698 16-20
NASA-CR-50238 ..... N63-17792 16-05
NASA-CR-50239 ..... N63-17339 15-24
NASA-CR-50241 ..... N63-17485 16-20
NASA-CR-50243 ..... N63-17202 15-20
NASA-CR-50245 ..... N63-18290 17-15
NASA-CR-50251 ..... N63-17124 15-20
NASA-CR-50258 ..... N63-17125 15-11
NASA-CR-50265 ..... N63-18496 17-23
NASA-CR-50274 ..... N63-21069 21-20
NASA-CR-50284 ..... N63-17200 15-28
NASA-CR-50296 ..... N63-18289 17-07
NASA-CR-50297 ..... N63-18286 17-14
NASA-CR-50298 ..... N63-18396 17-16
NASA-CR-50299 ..... N63-17157 15-12
NASA-CR-50300 ..... N63-17123 15-07
NASA-CR-50301 ..... N63-18394 17-24
NASA-CR-50304 ..... N63-18395 17-08
NASA-CR-50306 ..... N63-18034 16-01
NASA-CR-50311 ..... N63-17207 15-17
NASA-CR-50312 ..... N63-18501 17-26
NASA-CR-50313 ..... N63-18037 16-26
NASA-CR-50315 ..... N63-18418 17-12
NASA-CR-50317 ..... N63-18370 17-13
NASA-CR-50321 ..... N63-18389 17-18
NASA-CR-50324 ..... N63-17228 15-20
NASA-CR-50325 ..... N63-17142 15-20
NASA-CR-50326 ..... N63-17199 15-33
NASA-CR-50327 ..... N63-17341 15-05
NASA-CR-50330 ..... N63-17484 16-12
NASA-CR-50331 ..... N63-18035 16-29
NASA-CR-50332 ..... N63-17201 15-20
NASA-CR-50334 ..... N63-18036 16-08
NASA-CR-50337 ..... N63-17101 15-24
NASA-CR-50338 ..... N63-18033 16-19
NASA-CR-50339 ..... N63-18397 17-18
NASA-CR-50340 ..... N63-17222 15-19
NASA-CR-50341 ..... N63-17220 15-17
NASA-CR-50342 ..... N63-17223 15-17
NASA-CR-50343 ..... N63-18147 16-23
NASA-CR-50345 ..... N63-17966 16-23
NASA-CR-50348 ..... N63-17231 15-20
NASA-CR-50350 ..... N63-17230 15-23
NASA-CR-50351 ..... N63-17483 16-16
NASA-CR-50363 ..... N63-18168 16-07
NASA-CR-50365 ..... N63-17221 15-33
NASA-CR-50385 ..... N63-17219 15-07
NASA-CR-50392 ..... N63-18457 17-06
NASA-CR-50393 ..... N63-17909 16-12
NASA-CR-50394 ..... N63-18371 17-05
NASA-CR-50399 ..... N63-17955 16-25
NASA-CR-50400 ..... N63-18259 17-25
NASA-CR-50402 ..... N63-18399 17-25
NASA-CR-50404 ..... N63-18865 18-18
NASA-CR-50405 ..... N63-18178 16-25
NASA-CR-50407 ..... N63-18176 16-33
NASA-CR-50409 ..... N63-18177 16-12
NASA-CR-50411 ..... N63-18372 17-34
NASA-CR-50413 ..... N63-17958 16-15
NASA-CR-50416 ..... N63-18401 17-05
NASA-CR-50417 ..... N63-18375 17-12
NASA-CR-50418 ..... N63-18388 17-07
NASA-CR-50419 ..... N63-18167 16-28
NASA-CR-50420 ..... N63-18411 17-18
NASA-CR-50421 ..... N63-18319 17-28
NASA-CR-50422 ..... N63-18856 18-09
NASA-CR-50424 ..... N63-18412 17-32
NASA-CR-50436 ..... N63-18255 17-32
NASA-CR-50437 ..... N63-18864 18-01
NASA-CR-50441 ..... N63-19075 18-10
NASA-CR-50446 ..... N63-18368 17-
NASA-CR-50447 ..... N63-18164 16-
NASA-CR-50448 ..... N63-17942 16-
NASA-CR-50450 ..... N63-18272 17-
NASA-CR-50453 ..... N63-18321 17-
NASA-CR-50456 ..... N63-18400 17-
NASA-CR-50457 ..... N63-18256 17-
NASA-CR-50458 ..... N63-18413 17-
NASA-CR-50463 ..... N63-18373 17-
NASA-CR-50464 ..... N63-18340 17-
NASA-CR-50465 ..... N63-18497 17-
NASA-CR-50469 ..... N63-20268 20-
NASA-CR-50474 ..... N63-18409 17-
NASA-CR-50477 ..... N63-18398 17-
NASA-CR-50482 ..... N63-18158 16-
NASA-CR-50485 ..... N63-18367 17-
NASA-CR-50486 ..... N63-18236 17-
NASA-CR-50487 ..... N63-18320 17-
NASA-CR-50495 ..... N63-18139 16-
NASA-CR-50498 ..... N63-18179 16-
NASA-CR-50501 ..... N63-23010 24-
NASA-CR-50502 ..... N63-18337 17-
NASA-CR-50520 ..... N63-18374 17-
NASA-CR-50521 ..... N63-18369 17-
NASA-CR-50530 ..... N63-18498 17-
NASA-CR-50531 ..... N63-18414 17-
NASA-CR-50536 ..... N63-18322 17-
NASA-CR-50540 ..... N63-18416 17-
NASA-CR-50544 ..... N63-18415 17-
NASA-CR-50548 ..... N63-18495 17-
NASA-CR-50556 ..... N63-18350 17-
NASA-CR-50557 ..... N63-18390 17-
NASA-CR-50558 ..... N63-18493 17-
NASA-CR-50559 ..... N63-18159 16-
NASA-CR-50560 ..... N63-18494 17-
NASA-CR-50561 ..... N63-18391 17-
NASA-CR-50562 ..... N63-18323 17-
NASA-CR-50563 ..... N63-18487 17-
NASA-CR-50564 ..... N63-18410 17-
NASA-CR-50565 ..... N63-18492 17-
NASA-CR-50566 ..... N63-18360 17-
NASA-CR-50572 ..... N63-18315 17-
NASA-CR-50574 ..... N63-19204 18-
NASA-CR-50575 ..... N63-18333 17-
NASA-CR-50576 ..... N63-18334 17-
NASA-CR-50578 ..... N63-18422 17-
NASA-CR-50582 ..... N63-18858 18-
NASA-CR-50584 ..... N63-18488 17-
NASA-CR-50585 ..... N63-18254 17-
NASA-CR-50595 ..... N63-18877 18-
NASA-CR-50600 ..... N63-19856 19-
NASA-CR-50605 ..... N63-18489 17-
NASA-CR-50606 ..... N63-19939 19-
NASA-CR-50609 ..... N63-19857 19-
NASA-CR-50610 ..... N63-18318 17-
NASA-CR-50615 ..... N63-19785 19-
NASA-CR-50623 ..... N63-18338 17-
NASA-CR-50624 ..... N63-18491 17-
NASA-CR-50625 ..... N63-18485 17-
NASA-CR-50626 ..... N63-18868 18-
NASA-CR-50627 ..... N63-18420 17-
NASA-CR-50628 ..... N63-18206 16-
NASA-CR-50629 ..... N63-18205 16-
NASA-CR-50630 ..... N63-18314 17-
NASA-CR-50635 ..... N63-18208 16-
NASA-CR-50641 ..... N63-19202 18-
NASA-CR-50642 ..... N63-19941 19-
NASA-CR-50648 ..... N63-18316 17-
NASA-CR-50649 ..... N63-18857 18-
NASA-CR-50652 ..... N63-18207 16-
NASA-CR-50653 ..... N63-18392 17-
NASA-CR-50654 ..... N63-18419 17-
NASA-CR-50655 ..... N63-18387 17-
NASA-CR-50660 ..... N63-19597 19-
NASA-CR-50661 ..... N63-19596 19-
NASA-CR-50662 ..... N63-19498 19-
NASA-CR-50663 ..... N63-19595 19-
NASA-CR-50675 ..... N63-19638 19-
NASA-CR-50692 ..... N63-19267 18-
NASA-CR-50693 ..... N63-18866 18-
NASA-CR-50702 ..... N63-18861 18-
NASA-CR-50706 ..... N63-18648 17-
NASA-CR-50715 ..... N63-19029 18-
NASA-CR-50724 ..... N63-19950 19-
NASA-CR-50727 ..... N63-19783 19-
NASA-CR-50728 ..... N63-19203 18-
NASA-CR-50730 ..... N63-19940 19-
NASA-CR-50733 ..... N63-19946 19-
NASA-CR-50735 ..... N63-19951 19-
NASA-CR-50736 ..... N63-19262 18-

NASA-CR-50737	N63-18997	18-07
NASA-CR-50738	N63-18995	18-29
NASA-CR-50739	N63-18996	18-17
NASA-CR-50753	N63-19855	19-10
NASA-CR-50754	N63-21053	21-09
NASA-CR-50755	N63-19942	19-34
NASA-CR-50758	N63-19265	18-18
NASA-CR-50760	N63-19293	18-28
NASA-CR-50761	N63-21994	22-34
NASA-CR-50762	N63-19205	18-08
NASA-CR-50763	N63-19201	18-08
NASA-CR-50764	N63-19784	19-10
NASA-CR-50772	N63-20192	20-29
NASA-CR-50773	N63-20244	20-13
NASA-CR-50774	N63-19964	19-06
NASA-CR-50776	N63-19947	19-23
NASA-CR-50777	N63-19302	18-23
NASA-CR-50778	N63-19786	19-16
NASA-CR-50779	N63-19787	19-26
NASA-CR-50780	N63-19990	19-28
NASA-CR-50783	N63-20214	20-29
NASA-CR-50785	N63-19851	19-29
NASA-CR-50787	N63-19674	19-07
NASA-CR-50793	N63-19261	18-19
NASA-CR-50794	N63-19958	19-29
NASA-CR-50795	N63-19094	18-08
NASA-CR-50797	N63-20203	20-08
NASA-CR-50798	N63-19957	19-32
NASA-CR-50800	N63-20258	20-29
NASA-CR-50801	N63-19959	19-10
NASA-CR-50814	N63-19854	19-17
NASA-CR-50820	N63-19948	19-32
NASA-CR-50824	N63-19967	19-17
NASA-CR-50826	N63-19852	19-17
NASA-CR-50827	N63-19300	18-19
NASA-CR-50828	N63-20256	20-16
NASA-CR-50831	N63-19543	19-20
NASA-CR-50832	N63-19960	19-29
NASA-CR-50843	N63-19962	19-16
NASA-CR-50845	N63-21999	22-24
NASA-CR-50846	N63-19991	19-17
NASA-CR-50850	N63-20246	20-29
NASA-CR-50851	N63-20211	20-20
NASA-CR-50853	N63-20251	20-24
NASA-CR-50854	N63-20250	20-24
NASA-CR-50855	N63-21998	22-24
NASA-CR-50856	N63-20249	20-08
NASA-CR-50860	N63-20248	20-16
NASA-CR-50873	N63-19961	19-29
NASA-CR-50877	N63-20259	20-19
NASA-CR-50881	N63-20195	20-08
NASA-CR-50882	N63-19949	19-13
NASA-CR-50883	N63-21997	22-16
NASA-CR-50888	N63-20254	20-09
NASA-CR-50899	N63-20316	20-16
NASA-CR-50916	N63-21061	21-09
NASA-CR-50927	N63-21045	21-33
NASA-CR-50927/A	N63-21724	22-06
NASA-CR-50930	N63-21044	21-29
NASA-CR-50936	N63-21309	21-09
NASA-CR-50938	N63-21048	21-09
NASA-CR-50939	N63-22246	23-09
NASA-CR-50940	N63-21072	21-06
NASA-CR-50942	N63-21725	22-20
NASA-CR-50943	N63-21431	22-08
NASA-CR-50944	N63-21430	22-08
NASA-CR-50948	N63-21066	21-23
NASA-CR-50952	N63-21049	21-29
NASA-CR-50953	N63-21351	22-19
NASA-CR-50954	N63-21050	21-07
NASA-CR-50956	N63-20816	21-32
NASA-CR-50957	N63-21328	21-29
NASA-CR-50958	N63-21043	21-27
NASA-CR-50959	N63-21074	21-27
NASA-CR-50960	N63-21060	21-24
NASA-CR-50964	N63-21324	21-27
NASA-CR-50965	N63-21047	21-20
NASA-CR-50966	N63-21479	22-29
NASA-CR-50970	N63-21071	21-26
NASA-CR-50971	N63-22171	23-04
NASA-CR-50987	N63-21070	21-19
NASA-CR-50991	N63-21337	21-29
NASA-CR-50992	N63-21118	21-08
NASA-CR-50993	N63-21124	21-02
NASA-CR-50996	N63-21119	21-11
NASA-CR-50997	N63-21120	21-17
NASA-CR-50998	N63-21359	22-11
NASA-CR-50999	N63-21363	22-26
NASA-CR-51004	N63-21722	22-26
NASA-CR-51005	N63-21252	21-06
NASA-CR-51006	N63-21123	21-11
NASA-CR-51007	N63-21361	22-26
NASA-CR-51008	N63-21643	22-29
NASA-CR-51009	N63-21350	21-08
NASA-CR-51010	N63-21338	21-29
NASA-CR-51013	N63-23046	24-26
NASA-CR-51014	N63-21903	22-32
NASA-CR-51015	N63-21348	21-32
NASA-CR-51018	N63-21253	21-27
NASA-CR-51021	N63-21054	21-24
NASA-CR-51022	N63-20962	21-32
NASA-CR-51028	N63-20963	21-08
NASA-CR-51030	N63-21485	22-09
NASA-CR-51033	N63-21254	21-28
NASA-CR-51042	N63-21905	22-32
NASA-CR-51044	N63-21178	21-23
NASA-CR-51082	N63-21111	21-29
NASA-CR-51097	N63-21046	21-09
NASA-CR-51102	N63-21109	21-16
NASA-CR-51107	N63-21624	22-12
NASA-CR-51113	N63-21729	22-16
NASA-CR-51163	N63-21950	22-11
NASA-CR-51169	N63-22055	22-33
NASA-CR-51210	N63-21364	22-06
NASA-CR-51213	N63-21367	22-09
NASA-CR-51223	N63-22053	22-32
NASA-CR-51225	N63-21647	22-32
NASA-CR-51227	N63-21980	22-29
NASA-CR-51232	N63-21902	22-32
NASA-CR-51234	N63-21358	22-11
NASA-CR-51236	N63-21325	21-10
NASA-CR-51242	N63-22054	22-32
NASA-CR-51244	N63-21313	21-19
NASA-CR-51259	N63-21730	22-23
NASA-CR-51275	N63-21481	22-28
NASA-CR-51278	N63-21913	22-33
NASA-CR-51298	N63-21317	21-11
NASA-CR-51299	N63-22140	22-13
NASA-CR-51300	N63-22139	22-02
NASA-CR-51301	N63-21914	22-27
NASA-CR-51303	N63-23023	24-32
NASA-CR-51308	N63-21732	22-23
NASA-CR-51310	N63-21904	22-08
NASA-CR-51318	N63-21733	22-17
NASA-CR-51319	N63-22141	22-20
NASA-CR-51321	N63-22017	22-08
NASA-CR-51328	N63-21723	22-02
NASA-CR-51329	N63-21339	21-29
NASA-CR-51332	N63-21312	21-09
NASA-CR-51340	N63-21327	21-33
NASA-CR-51343	N63-21731	22-15
NASA-CR-51346	N63-21646	22-29
NASA-CR-51365	N63-21433	22-05
NASA-CR-51366	N63-21432	22-12
NASA-CR-51371	N63-22167	23-23
NASA-CR-51373	N63-21949	22-11
NASA-CR-51374	N63-21735	22-07
NASA-CR-51391	N63-21977	22-28
NASA-CR-51392	N63-21855	22-23
NASA-CR-51397	N63-22138	22-06
NASA-CR-51405	N63-21976	22-28
NASA-CR-51414	N63-21846	22-33
NASA-CR-51421	N63-22157	22-29
NASA-CR-51422	N63-22165	23-32
NASA-CR-51506	N63-21975	22-24
NASA-CR-51507	N63-22016	22-12
NASA-CR-51514	N63-22166	23-06
NASA-CR-51515	N63-22047	22-11
NASA-CR-51516	N63-21974	22-27
NASA-CR-51517	N63-22048	22-11
NASA-CR-51518	N63-22029	22-06
NASA-CR-51520	N63-22158	22-26
NASA-CR-51521	N63-22159	22-27
NASA-CR-51523	N63-21845	22-19
NASA-CR-51526	N63-22193	23-16
NASA-CR-51529	N63-22892	23-06
NASA-CR-51530	N63-22353	23-09
NASA-CR-51531	N63-22891	23-06
NASA-CR-51532	N63-22890	23-25
NASA-CR-51533	N63-22893	23-06
NASA-CR-51538	N63-23035	24-29
NASA-CR-51542	N63-23522	24-15
NASA-CR-51544	N63-22142	22-06
NASA-CR-51555	N63-22030	22-32
NASA-CR-51556	N63-21847	22-11
NASA-CR-51559	N63-21985	22-01
NASA-CR-51562	N63-21987	22-32
NASA-CR-51563	N63-21986	22-22
NASA-CR-51565	N63-22894	23-06
NASA-CR-51566	N63-22584	23-26

NASA-CR-51567	N63-22586	23-27
NASA-CR-51574	N63-22247	23-24
NASA-CR-51577	N63-21988	22-32
NASA-CR-51584	N63-22703	23-09
NASA-CR-51586	N63-23043	24-23
NASA-CR-51587	N63-23042	24-09
NASA-CR-51596	N63-22585	23-06
NASA-CR-51597	N63-23037	24-18
NASA-CR-51643	N63-23530	24-16
NASA-CR-51656	N63-23041	24-26
NASA-CR-51681	N63-23029	24-32
NASA-CR-51704	N63-22137	22-04
NASA-CR-51722	N63-22929	23-12
NASA-CR-51727	N63-23045	24-07
NASA-CR-51729	N63-22174	23-32
NASA-CR-51730	N63-23033	24-02
NASA-CR-51733	N63-22161	22-26
NASA-CR-51737	N63-23044	24-06
NASA-CR-51742	N63-23007	24-25
NASA-CR-51743	N63-23019	24-30
NASA-CR-51750	N63-23006	24-19
NASA-CR-51762	N63-22582	23-33
NASA-CR-51779	N63-22577	23-06
NASA-CR-51782	N63-22880	23-29
NASA-CR-51783	N63-22581	23-30
NASA-CR-51787	N63-22510	23-08
NASA-CR-51790	N63-22579	23-07
NASA-CR-51791	N63-22580	23-07
NASA-CR-51798	N63-23071	24-01
NASA-CR-51807	N63-22578	23-23
NASA-CR-51824	N63-22883	23-21
NASA-CR-51825	N63-22875	23-24
NASA-CR-51850	N63-23008	24-11
NASA-CR-51851	N63-23012	24-10
NASA-CR-51853	N63-22895	23-08
NASA-CR-51858	N63-22882	23-18
NASA-CR-51963	N63-22685	23-32
NASA-CR-51964	N63-22702	23-32
NASA-CR-51985	N63-23009	24-11
NASA-CR-51990	N63-22512	23-29
NASA-CR-51993	N63-23817	24-08
NASA-CR-51994	N63-23507	24-09
NASA-CR-51997	N63-23015	24-23
NASA-CR-51998	N63-23017	24-16
NASA-CR-51999	N63-23011	24-07
NASA-CR-52006	N63-22881	23-23
NASA-CR-52015	N63-23050	24-02
NASA-CR-52016	N63-23619	24-07
NASA-CR-52018	N63-22878	23-20
NASA-CR-52020	N63-22877	23-08
NASA-CR-52021	N63-23021	24-05
NASA-CR-52023	N63-22879	23-11
NASA-CR-52044	N63-22864	23-27
NASA-CR-52069	N63-23602	24-26
NASA-CR-52070	N63-23511	24-11
NASA-CR-52076	N63-22865	23-27
NASA-CR-52081	N63-23558	24-27
NASA-CR-52082	N63-23616	24-16
NASA-CR-52134	N63-23501	24-13
NASA-CR-52148	N63-23672	24-11
NASA-CR-52150	N63-23601	24-08
NASA-CR-52185	N63-23649	24-06
NASA-CR-52188	N63-23656	24-02
NASA-CR-52200	N63-23651	24-08
NASA-CR-52226	N63-23815	24-09
NASA-CR-52238	N63-23816	24-20
NASA-CR-52239	N63-23650	24-09
NASA-CR-52249	N63-23820	24-34
NASA-CR-52252	N63-23654	24-10
NASA-CR-52254	N63-23655	24-32
NASA-CR-52270	N63-23805	24-29
NASA-CR-52271	N63-23806	24-29
NASA-CR-52278	N63-23797	24-19
NASA-CR-52279	N63-23796	24-19
NASA-CR-52281	N63-23798	24-19
NASA-CR-52287	N63-23802	24-06
NASA-CR-52319	N63-23807	24-19
NASA-CR-52323	N63-23808	24-17
NASA-CR-55125	N63-21727	22-06
NASA-EP-5	N63-12715	06-01
NASA-EP-7	N63-16696	14-32
NASA-EP-11	N63-17926	16-14
NASA-EP-12	N63-21456	22-29
NASA-EP-14	N63-22033	22-29
NASA FACTS-A-1-63	N63-13537	08-32
NASA FACTS-A-62	N63-16701	14-29
NASA FACTS-B-4-63	N63-16563	14-32
NASA FACTS-B-62	N63-16700	14-29
NASA FACTS-C-5-63	N63-18423	17-
NASA FACTS-C-62	N63-16600	14-
NASA FACTS-D-62	N63-12091	05-
NASA FACTS-E-10-62	N63-12073	05-
NASA FACTS-F-12-62	N63-11963	05-
NASA FACTS-G-12-62	N63-12072	05-
NASA-MAR-4	N63-16718	14-
NASA-MEMO-1-2-59E	N63-12913	07-
NASA-MEMO-1-8-59A	N63-12912	07-
NASA-MEMO-2-2-59H	N63-13886	09-
NASA-MEMO-2-6-59E	N63-10629	02-
NASA-MEMO-2-17-59E	N63-14680	10-
NASA-MEMO-2-19-59A	N63-13883	09-
NASA-MEMO-2-27-59L	N63-18137	16-
NASA-MEMO-3-2-59L	N63-14757	11-
NASA-MEMO-3-4-59E	N63-14756	11-
NASA-MEMO-3-5-59A	N63-14755	11-
NASA-MEMO-4-2-59L	N63-14527	10-
NASA-MEMO-5-18-59L	N63-18042	16-
NASA-MEMO-6-8-59L	N63-12502	06-
NASA-MEMO-6-9-59A	N63-13216	07-
NASA-MEMO-6-11-59L	N63-20484	20-
NASA-MEMO-10-1-58H	N63-13885	09-
NASA-MEMO-10-2-58L	N63-12499	06-
NASA-MEMO-10-4-58A	N63-13884	09-
NASA-MEMO-10-15-58L	N63-12497	06-
NASA-MEMO-10-17-58L	N63-12500	06-
NASA-MEMO-10-25-58L	N63-12498	06-
NASA-MEMO-10-28-58L	N63-12501	06-
NASA-MEMO-12-5-58L	N63-14758	11-
NASA-MEMO-12-11-58E	N63-13887	09-
NASA-MEMO-12-22-58E	N63-13888	09-
NASA-MEMO-12-24-58A	N63-13889	09-
NASA-MEMO-12-31-58L	N63-13890	09-
NASA-RP-3	N63-20476	20-
NASA-RP-4	N63-20960	21-
NASA-RP-5	N63-20798	21-
NASA-RP-7	N63-20934	21-
NASA-RP-8	N63-20931	21-
NASA-RP-9	N63-21005	21-
NASA-RP-10	N63-21389	22-
NASA-RP-13	N63-21099	21-
NASA-RP-14	N63-21354	22-
NASA-RP-15	N63-21075	21-
NASA-RP-16	N63-21100	21-
NASA-RP-17	N63-21483	22-
NASA-RP-18	N63-21353	22-
NASA-RP-20	N63-21347	21-
NASA-RP-21	N63-21280	21-
NASA-RP-24	N63-21330	21-
NASA-RP-25	N63-21370	22-
NASA-RP-26	N63-21329	21-
NASA-RP-27	N63-21369	22-
NASA-RP-29	N63-21368	22-
NASA-RP-30	N63-21275	21-
NASA-RP-34	N63-22930	23-
NASA-RP-35	N63-22453	23-
NASA-RP-37	N63-22452	23-
NASA-RP-38	N63-22931	23-
NASA-RP-39	N63-23795	24-
NASA-RP-40	N63-23794	24-
NASA-RP-105	N63-22950	23-
NASA-RP-106	N63-23060	24-
NASA-RP-108	N63-22951	23-
NASA-RP-109	N63-22952	23-
NASA-RP-112	N63-22953	23-
NASA-RP-113	N63-23164	24-
NASA-SP-8	N63-11137	03-
NASA-SP-10	N63-10712	02-
NASA-SP-11, VOL. 1	N63-11501	03-
NASA-SP-11, VOL. 2	N63-11502	03-
NASA-SP-12	N63-11990	05-
NASA-SP-13	N63-11503	03-
NASA-SP-14	N63-11504	03-
NASA-SP-15	N63-11505	03-
NASA-SP-16	N63-11506	03-
NASA-SP-17	N63-11507	03-
NASA-SP-18	N63-11508	03-
NASA-SP-19	N63-11509	03-
NASA-SP-20	N63-11510	03-
NASA-SP-21	N63-11511	03-
NASA-SP-22	N63-11512	03-
NASA-SP-23	N63-11513	03-
NASA-SP-24	N63-11514	03-
NASA-SP-25	N63-11515	03-
NASA-SP-26	N63-11516	03-

NASA-SP-27	N63-11517	03-19
NASA-SP-28	N63-11518	03-34
NASA-SP-29	N63-15357	12-01
NASA-SP-30	N63-15166	11-32
NASA-SP-33, PT. 1	N63-21101	21-32
NASA-SP-33, PT. 2	N63-21102	21-32
NASA-SP-33, PT. 3	N63-21103	21-32
NASA-SP-34, PT. 1	N63-21104	21-32
NASA-SP-34, PT. 2	N63-21105	21-32
NASA-SP-34, PT. 3	N63-21106	21-32
NASA-SP-40	N63-21126	21-01
NASA-SP-45	N63-21951	22-01
NASA-SP-501	N63-15862	13-17
NASA-SP-3001	N63-23715	24-13
NASA-SP-3003	N63-20315	20-06
NASA-SP-4001	N63-21848	22-32
NASA-SP-6002	N63-21912	22-32
NASA-SP-6003	N63-21435	22-20
NASA-TM-X-5	N63-12974	07-04
NASA-TM-X-16	N63-12548	06-02
NASA-TM-X-17	N63-12549	06-02
NASA-TM-X-24	N63-12975	07-02
NASA-TM-X-26	N63-12976	07-02
NASA-TM-X-28	N63-20524	20-34
NASA-TM-X-36	N63-12977	07-04
NASA-TM-X-42	N63-12550	06-02
NASA-TM-X-44	N63-12551	06-02
NASA-TM-X-47	N63-12552	06-02
NASA-TM-X-53	N63-12952	07-33
NASA-TM-X-53/A	N63-23363	24-02
NASA-TM-X-56	N63-13108	07-02
NASA-TM-X-61	N63-12978	07-03
NASA-TM-X-62	N63-13891	09-11
NASA-TM-X-65	N63-12553	06-02
NASA-TM-X-71	N63-12953	07-04
NASA-TM-X-72	N63-12979	07-04
NASA-TM-X-83	N63-12554	06-02
NASA-TM-X-85	N63-12972	07-13
NASA-TM-X-92	N63-12980	07-02
NASA-TM-X-106	N63-13892	09-02
NASA-TM-X-114	N63-13893	09-19
NASA-TM-X-115	N63-12981	07-02
NASA-TM-X-120	N63-12555	06-02
NASA-TM-X-124	N63-12556	06-02
NASA-TM-X-125	N63-13894	09-04
NASA-TM-X-129	N63-10206	01-11
NASA-TM-X-138	N63-12982	07-03
NASA-TM-X-149	N63-16135	13-02
NASA-TM-X-154	N63-16136	13-02
NASA-TM-X-156	N63-13895	09-02
NASA-TM-X-165	N63-13896	09-02
NASA-TM-X-169	N63-17253	15-02
NASA-TM-X-179	N63-12983	07-02
NASA-TM-X-182	N63-12914	07-03
NASA-TM-X-183	N63-13897	09-03
NASA-TM-X-193	N63-12984	07-02
NASA-TM-X-197	N63-13898	09-03
NASA-TM-X-211	N63-12915	07-03
NASA-TM-X-218	N63-12917	07-04
NASA-TM-X-222	N63-12557	06-02
NASA-TM-X-232	N63-17991	16-04
NASA-TM-X-233	N63-17992	16-30
NASA-TM-X-239	N63-17464	15-02
NASA-TM-X-240	N63-17255	15-02
NASA-TM-X-249	N63-17254	15-02
NASA-TM-X-254	N63-12191	05-02
NASA-TM-X-263	N63-14765	11-13
NASA-TM-X-268	N63-17465	15-04
NASA-TM-X-272	N63-12916	07-02
NASA-TM-X-273	N63-17450	15-03
NASA-TM-X-275	N63-12646	06-04
NASA-TM-X-281	N63-13899	09-02
NASA-TM-X-288	N63-12918	07-02
NASA-TM-X-291	N63-17990	16-02
NASA-TM-X-292	N63-17988	16-02
NASA-TM-X-294	N63-12558	06-04
NASA-TM-X-297	N63-13900	09-32
NASA-TM-X-299	N63-13901	09-03
NASA-TM-X-300	N63-11131	03-13
NASA-TM-X-305	N63-13902	09-04
NASA-TM-X-317	N63-12559	06-02
NASA-TM-X-334	N63-17993	16-04
NASA-TM-X-336	N63-17994	16-30
NASA-TM-X-338	N63-13903	09-32
NASA-TM-X-344	N63-12560	06-04
NASA-TM-X-345	N63-16137	13-02
NASA-TM-X-350	N63-17995	16-30
NASA-TM-X-355	N63-14772	11-33
NASA-TM-X-361	N63-17989	16-02
NASA-TM-X-364	N63-16138	13-04
NASA-TM-X-373	N63-20535	20-32
NASA-TM-X-391	N63-12561	06-02
NASA-TM-X-394	N63-12562	06-10
NASA-TM-X-398	N63-13904	09-32
NASA-TM-X-416	N63-13905	09-27
NASA-TM-X-423	N63-13906	09-32
NASA-TM-X-425	N63-13907	09-32
NASA-TM-X-431	N63-13908	09-32
NASA-TM-X-433	N63-18038	16-30
NASA-TM-X-437	N63-14766	11-02
NASA-TM-X-439	N63-16139	13-03
NASA-TM-X-440	N63-13909	09-32
NASA-TM-X-441	N63-16140	13-04
NASA-TM-X-448	N63-18039	16-04
NASA-TM-X-449	N63-13910	09-32
NASA-TM-X-459	N63-18040	16-30
NASA-TM-X-467	N63-13911	09-02
NASA-TM-X-468	N63-13912	09-04
NASA-TM-X-507	N63-11132	03-02
NASA-TM-X-508	N63-20536	20-13
NASA-TM-X-514	N63-14767	11-04
NASA-TM-X-518	N63-12563	06-04
NASA-TM-X-519	N63-17165	15-04
NASA-TM-X-522	N63-20537	20-32
NASA-TM-X-540	N63-20538	20-27
NASA-TM-X-547	N63-20539	20-02
NASA-TM-X-566	N63-13913	09-32
NASA-TM-X-569	N63-20540	20-03
NASA-TM-X-571	N63-20541	20-02
NASA-TM-X-581	N63-13914	09-32
NASA-TM-X-639	N63-12564	06-04
NASA-TM-X-652	N63-14681	10-02
NASA-TM-X-665	N63-14682	10-02
NASA-TM-X-725	N63-20752	21-11
NASA-TM-X-758	N63-14247	10-04
NASA-TM-X-789	N63-11004	03-30
NASA-TM-X-810	N63-12639	06-32
NASA-TM-X-814	N63-17455	15-05
NASA-TM-X-824	N63-14397	10-29
NASA-TM-X-884	N63-17429	15-18
NASA-TM-X-899	N63-20334	20-32
NASA-TM-X-50000	N63-16723	14-20
NASA-TM-X-50003	N63-16671	14-30
NASA-TM-X-50016	N63-16439	14-20
NASA-TM-X-50017	N63-17104	15-28
NASA-TM-X-50020	N63-16710	14-20
NASA-TM-X-50021	N63-16707	14-28
NASA-TM-X-50022	N63-16709	14-29
NASA-TM-X-50023	N63-16708	14-28
NASA-TM-X-50025	N63-16717	14-20
NASA-TM-X-50026	N63-16673	14-26
NASA-TM-X-50029	N63-16672	14-12
NASA-TM-X-50031	N63-16718	14-12
NASA-TM-X-50077	N63-16801	14-01
NASA-TM-X-50080	N63-18403	17-20
NASA-TM-X-50104	N63-17203	15-32
NASA-TM-X-50106	N63-17342	15-20
NASA-TM-X-50131	N63-18869	18-29
NASA-TM-X-50133	N63-18405	17-30
NASA-TM-X-50135	N63-18863	18-29
NASA-TM-X-50138	N63-18313	17-29
NASA-TM-X-50141	N63-18484	17-25
NASA-TM-X-50142	N63-18486	17-12
NASA-TM-X-50148	N63-18421	17-20
NASA-TM-X-50150	N63-18292	17-05
NASA-TM-X-50151	N63-18601	17-30
NASA-TM-X-50156	N63-18417	17-13
NASA-TM-X-50173	N63-20242	20-32
NASA-TM-X-50175	N63-20247	20-33
NASA-TM-X-50177	N63-18860	18-06
NASA-TM-X-50184	N63-19944	19-22
NASA-TM-X-50185	N63-19943	19-22
NASA-TM-X-50186	N63-18688	17-29
NASA-TM-X-50195	N63-18859	18-12
NASA-TM-X-50196	N63-22010	22-32
NASA-TM-X-50197	N63-22007	22-32
NASA-TM-X-50198	N63-22008	22-32
NASA-TM-X-50200	N63-22009	22-32
NASA-TM-X-50202	N63-22005	22-32
NASA-TM-X-50203	N63-22006	22-32
NASA-TM-X-50204	N63-22004	22-32
NASA-TM-X-50205	N63-22000	22-32
NASA-TM-X-50206	N63-22001	22-32
NASA-TM-X-50207	N63-22002	22-32
NASA-TM-X-50208	N63-22003	22-32
NASA-TM-X-50209	N63-19264	18-18
NASA-TM-X-50217	N63-19988	19-02
NASA-TM-X-50221	N63-19263	18-13
NASA-TM-X-50226	N63-20178	20-13

NASA-TM-X-50227	N63-20245	20-13
NASA-TM-X-50230	N63-20196	20-29
NASA-TM-X-50231	N63-20193	20-31
NASA-TM-X-50232	N63-20194	20-29
NASA-TM-X-50236	N63-20210	20-23
NASA-TM-X-50237	N63-20191	20-29
NASA-TM-X-50238	N63-19945	19-29
NASA-TM-X-50242	N63-20215	20-19
NASA-TM-X-50245	N63-20243	20-10
NASA-TM-X-50251	N63-20209	20-29
NASA-TM-X-50252	N63-20206	20-29
NASA-TM-X-50260	N63-19367	18-12
NASA-TM-X-50266	N63-20208	20-32
NASA-TM-X-50270	N63-19390	18-29
NASA-TM-X-50277	N63-20207	20-29
NASA-TM-X-50278	N63-19963	19-29
NASA-TM-X-50279	N63-19391	18-29
NASA-TM-X-50286	N63-21625	22-27
NASA-TM-X-50287	N63-21995	22-20
NASA-TM-X-50288	N63-22018	22-31
NASA-TM-X-50290	N63-21051	21-29
NASA-TM-X-50303	N63-22168	23-04
NASA-TM-X-50312	N63-21911	22-29
NASA-TM-X-50335	N63-22170	23-32
NASA-TM-X-50339	N63-21993	22-32
NASA-TM-X-50354	N63-22052	22-19
NASA-TM-X-50364	N63-22169	23-32
NASA-TM-X-50366	N63-21992	22-32
NASA-TM-X-50372	N63-21250	21-32
NASA-TM-X-50375	N63-21651	22-19
NASA-TM-X-50407	N63-21728	22-22
NASA-TM-X-50413	N63-21365	22-19
NASA-TM-X-50419	N63-21900	22-02
NASA-TM-X-50421	N63-21915	22-27
NASA-TM-X-50424	N63-21311	21-12
NASA-TM-X-50425	N63-21899	22-08
NASA-TM-X-50427	N63-21251	21-06
NASA-TM-X-50470	N63-21901	22-27
NASA-TM-X-50472	N63-21910	22-23
NASA-TM-X-50558	N63-21726	22-30
NASA-TM-X-50561	N63-21906	22-28
NASA-TM-X-50562	N63-21335	21-23
NASA-TM-X-50578	N63-21734	22-23
NASA-TM-X-50613	N63-23016	24-32
NASA-TM-X-50696	N63-21981	22-32
NASA-TM-X-50725	N63-22172	23-28
NASA-TM-X-50729	N63-23038	24-20
NASA-TM-X-50782	N63-23036	24-29
NASA-TM-X-50804	N63-22393	23-29
NASA-TM-X-50805	N63-23027	24-30
NASA-TM-X-50813	N63-23030	24-09
NASA-TM-X-50814	N63-23031	24-15
NASA-TM-X-50816	N63-22173	23-29
NASA-TM-X-50836	N63-23032	24-19
NASA-TM-X-50837	N63-23028	24-18
NASA-TM-X-50841	N63-23022	24-05
NASA-TM-X-50842	N63-22583	23-12
NASA-TM-X-50843	N63-22277	23-22
NASA-TM-X-50852	N63-23040	24-13
NASA-TM-X-50853	N63-23034	24-06
NASA-TM-X-50866	N63-22196	23-02
NASA-TM-X-50880	N63-22896	23-10
NASA-TM-X-50889	N63-23026	24-14
NASA-TM-X-50910	N63-23013	24-32
NASA-TM-X-50924	N63-23014	24-18
NASA-TM-X-50932	N63-23039	24-24
NASA-TM-X-50944	N63-22511	23-11
NASA-TM-X-50955	N63-22538	23-18
NASA-TM-X-50956	N63-23024	24-12
NASA-TM-X-50963	N63-23020	24-29
NASA-TM-X-50998	N63-23819	24-26
NASA-TM-X-50999	N63-23818	24-13
NASA-TM-X-51978	N63-23025	24-26
NASA-TN-D-146-III/A/	N63-22705	23-23
NASA-TN-D-146-III/B/	N63-22706	23-23
NASA-TN-D-146-III/C/	N63-22707	23-23
NASA-TN-D-521	N63-12590	06-33
NASA-TN-D-608	N63-12252	05-32
NASA-TN-D-933	N63-10219	01-04
NASA-TN-D-934	N63-10219	01-04
NASA-TN-D-935	N63-10219	01-04
NASA-TN-D-936	N63-10219	01-04
NASA-TN-D-972	N63-12287	05-02
NASA-TN-D-1083	N63-11740	04-16
NASA-TN-D-1085	N63-17552	16-20
NASA-TN-D-1097	N63-10204	01-15
NASA-TN-D-1111	N63-23122	24-24
NASA-TN-D-1112	N63-14249	10-20
NASA-TN-D-1126	N63-10494	01-27
NASA-TN-D-1196	N63-15471	12-11
NASA-TN-D-1275	N63-14025	09-33
NASA-TN-D-1279	N63-12192	05-0[illegible]
NASA-TN-D-1310	N63-12926	07-[illegible]
NASA-TN-D-1320	N63-12312	05-2[illegible]
NASA-TN-D-1321	N63-10327	01-[illegible]
NASA-TN-D-1329	N63-10625	02-1[illegible]
NASA-TN-D-1335	N63-12489	06-0[illegible]
NASA-TN-D-1339, PHASE I	N63-10931	02-1[illegible]
NASA-TN-D-1344	N63-12488	06-2[illegible]
NASA-TN-D-1347	N63-10496	01-[illegible]
NASA-TN-D-1357	N63-10793	02-1[illegible]
NASA-TN-D-1372	N63-10991	02-1[illegible]
NASA-TN-D-1377	N63-10794	02-1[illegible]
NASA-TN-D-1387	N63-12586	06-2[illegible]
NASA-TN-D-1396	N63-10795	02-3[illegible]
NASA-TN-D-1402	N63-11123	03-0[illegible]
NASA-TN-D-1411	N63-18653	17-2[illegible]
NASA-TN-D-1415	N63-10796	02-0[illegible]
NASA-TN-D-1416	N63-16985	15-2[illegible]
NASA-TN-D-1417	N63-12074	05-0[illegible]
NASA-TN-D-1422	N63-12125	05-3[illegible]
NASA-TN-D-1432	N63-13180	07-0[illegible]
NASA-TN-D-1433	N63-10734	02-2[illegible]
NASA-TN-D-1435	N63-10173	01-1[illegible]
NASA-TN-D-1438	N63-10174	01-2[illegible]
NASA-TN-D-1439	N63-10336	01-1[illegible]
NASA-TN-D-1440	N63-10175	01-1[illegible]
NASA-TN-D-1442	N63-12193	05-1[illegible]
NASA-TN-D-1445	N63-10868	02-2[illegible]
NASA-TN-D-1446	N63-15765	13-3[illegible]
NASA-TN-D-1447	N63-10369	01-2[illegible]
NASA-TN-D-1449	N63-19370	18-2[illegible]
NASA-TN-D-1451	N63-10176	01-1[illegible]
NASA-TN-D-1455	N63-11536	03-2[illegible]
NASA-TN-D-1456	N63-11613	04-2[illegible]
NASA-TN-D-1457	N63-10881	02-2[illegible]
NASA-TN-D-1458	N63-10898	02-3[illegible]
NASA-TN-D-1459	N63-13949	09-1[illegible]
NASA-TN-D-1461	N63-10735	02-2[illegible]
NASA-TN-D-1462	N63-12704	06-0[illegible]
NASA-TN-D-1467	N63-10987	02-3[illegible]
NASA-TN-D-1468	N63-12075	05-2[illegible]
NASA-TN-D-1471	N63-10177	01-0[illegible]
NASA-TN-D-1472	N63-13096	07-2[illegible]
NASA-TN-D-1475	N63-10950	02-0[illegible]
NASA-TN-D-1481	N63-11846	04-0[illegible]
NASA-TN-D-1482	N63-10199	01-0[illegible]
NASA-TN-D-1485	N63-10205	01-3[illegible]
NASA-TN-D-1490	N63-12194	05-2[illegible]
NASA-TN-D-1491	N63-10200	01-0[illegible]
NASA-TN-D-1492	N63-10624	02-0[illegible]
NASA-TN-D-1493	N63-11986	05-3[illegible]
NASA-TN-D-1495	N63-10535	01-1[illegible]
NASA-TN-D-1496	N63-10797	02-3[illegible]
NASA-TN-D-1497	N63-10178	01-0[illegible]
NASA-TN-D-1498	N63-10626	02-1[illegible]
NASA-TN-D-1499	N63-14271	10-3[illegible]
NASA-TN-D-1500	N63-10798	02-1[illegible]
NASA-TN-D-1501	N63-12927	07-0[illegible]
NASA-TN-D-1502	N63-10650	02-2[illegible]
NASA-TN-D-1503	N63-10534	01-1
NASA-TN-D-1505	N63-13181	07-0[illegible]
NASA-TN-D-1507	N63-10206	01-1
NASA-TN-D-1508	N63-10628	02-0[illegible]
NASA-TN-D-1509	N63-10533	01-0[illegible]
NASA-TN-D-1510	N63-10804	02-3[illegible]
NASA-TN-D-1511	N63-10328	01-3[illegible]
NASA-TN-D-1512	N63-10329	01-2[illegible]
NASA-TN-D-1513	N63-10179	01-3[illegible]
NASA-TN-D-1514	N63-10904	02-3[illegible]
NASA-TN-D-1515	N63-11122	03-3[illegible]
NASA-TN-D-1516	N63-12243	05-0[illegible]
NASA-TN-D-1517	N63-10537	01-0[illegible]
NASA-TN-D-1518	N63-13788	09-0[illegible]
NASA-TN-D-1519	N63-12244	05-2[illegible]
NASA-TN-D-1520	N63-15303	12-1[illegible]
NASA-TN-D-1521	N63-11614	04-0[illegible]
NASA-TN-D-1522	N63-10799	02-3[illegible]
NASA-TN-D-1523	N63-14272	10-2[illegible]
NASA-TN-D-1524	N63-11121	03-2[illegible]
NASA-TN-D-1525	N63-15351	12-3[illegible]
NASA-TN-D-1526	N63-13515	08-2[illegible]
NASA-TN-D-1527	N63-12478	06-1[illegible]
NASA-TN-D-1528	N63-10201	01-2[illegible]
NASA-TN-D-1530	N63-11615	04-2[illegible]
NASA-TN-D-1531	N63-14402	10-1[illegible]
NASA-TN-D-1532	N63-10180	01-0[illegible]
NASA-TN-D-1533	N63-11616	04-2[illegible]
NASA-TN-D-1534	N63-13283	07-2[illegible]

NASA-TN-D-1535	N63-10733	02-13
NASA-TN-D-1537	N63-16880	14-33
NASA-TN-D-1538	N63-13838	09-12
NASA-TN-D-1539	N63-12928	07-29
NASA-TN-D-1540	N63-13713	08-29
NASA-TN-D-1541	N63-13714	08-29
NASA-TN-D-1542	N63-13097	07-08
NASA-TN-D-1543	N63-11741	04-06
NASA-TN-D-1544	N63-12062	05-32
NASA-TN-D-1545	N63-12948	07-06
NASA-TN-D-1546	N63-12159	05-12
NASA-TN-D-1547	N63-13715	08-28
NASA-TN-D-1550	N63-10207	01-13
NASA-TN-D-1551	N63-12949	07-24
NASA-TN-D-1552	N63-10181	01-14
NASA-TN-D-1553	N63-13217	07-23
NASA-TN-D-1554	N63-10800	02-03
NASA-TN-D-1555	N63-12686	06-29
NASA-TN-D-1556	N63-12929	07-29
NASA-TN-D-1557	N63-11617	04-02
NASA-TN-D-1558	N63-10536	01-32
NASA-TN-D-1559	N63-10627	02-26
NASA-TN-D-1560	N63-13182	07-10
NASA-TN-D-1561	N63-21887	22-31
NASA-TN-D-1562	N63-11680	04-17
NASA-TN-D-1563	N63-12195	05-30
NASA-TN-D-1564	N63-12245	05-11
NASA-TN-D-1565	N63-12479	06-33
NASA-TN-D-1566	N63-16159	13-30
NASA-TN-D-1567	N63-11742	04-13
NASA-TN-D-1568	N63-22110	22-18
NASA-TN-D-1569	N63-12003	05-21
NASA-TN-D-1570	N63-16986	15-34
NASA-TN-D-1571	N63-13303	07-15
NASA-TN-D-1572	N63-15692	12-12
NASA-TN-D-1573	N63-14273	10-12
NASA-TN-D-1574	N63-14250	10-33
NASA-TN-D-1575	N63-13218	07-27
NASA-TN-D-1576	N63-13951	09-26
NASA-TN-D-1577	N63-11618	04-26
NASA-TN-D-1578	N63-14251	10-02
NASA-TN-D-1579	N63-15693	12-11
NASA-TN-D-1580	N63-12591	06-17
NASA-TN-D-1581	N63-14403	10-07
NASA-TN-D-1582	N63-12160	05-26
NASA-TN-D-1583	N63-13965	09-13
NASA-TN-D-1589	N63-10182	01-09
NASA-TN-D-1590	N63-10202	01-20
NASA-TN-D-1591	N63-12703	06-14
NASA-TN-D-1592	N63-13183	07-18
NASA-TN-D-1593	N63-12246	05-30
NASA-TN-D-1594	N63-12480	06-03
NASA-TN-D-1595	N63-10986	02-18
NASA-TN-D-1596	N63-13184	07-01
NASA-TN-D-1597	N63-11619	04-15
NASA-TN-D-1598	N63-13098	07-10
NASA-TN-D-1599	N63-11620	04-20
NASA-TN-D-1600	N63-12004	05-33
NASA-TN-D-1601	N63-13716	08-02
NASA-TN-D-1602	N63-13756	08-03
NASA-TN-D-1603	N63-13185	07-03
NASA-TN-D-1604	N63-13099	07-22
NASA-TN-D-1605	N63-13186	07-02
NASA-TN-D-1606	N63-13562	08-02
NASA-TN-D-1607	N63-12592	06-22
NASA-TN-D-1608	N63-13219	07-06
NASA-TN-D-1609	N63-13789	09-33
NASA-TN-D-1610	N63-13187	07-08
NASA-TN-D-1611	N63-13548	08-31
NASA-TN-D-1612	N63-12950	07-02
NASA-TN-D-1613	N63-13790	09-14
NASA-TN-D-1614	N63-13791	09-02
NASA-TN-D-1615	N63-13717	08-33
NASA-TN-D-1616	N63-13261	07-33
NASA-TN-D-1617	N63-13188	07-30
NASA-TN-D-1618	N63-14252	10-03
NASA-TN-D-1619	N63-19176	18-14
NASA-TN-D-1620	N63-13718	08-02
NASA-TN-D-1621	N63-15345	12-10
NASA-TN-D-1622	N63-14427	10-02
NASA-TN-D-1623	N63-15304	12-29
NASA-TN-D-1624	N63-15305	12-30
NASA-TN-D-1625	N63-15302	12-30
NASA-TN-D-1626	N63-13950	09-13
NASA-TN-D-1627	N63-14274	10-22
NASA-TN-D-1628	N63-15507	12-13
NASA-TN-D-1629	N63-13792	09-11
NASA-TN-D-1630	N63-13516	08-03
NASA-TN-D-1631	N63-14811	11-10
NASA-TN-D-1632	N63-14207	09-11
NASA-TN-D-1633	N63-16289	13-02
NASA-TN-D-1634	N63-15050	11-04
NASA-TN-D-1635	N63-15051	11-13
NASA-TN-D-1636	N63-15472	12-24
NASA-TN-D-1637	N63-16160	13-03
NASA-TN-D-1638	N63-15694	12-31
NASA-TN-D-1639	N63-15779	13-31
NASA-TN-D-1640	N63-15389	12-03
NASA-TN-D-1641	N63-15346	12-21
NASA-TN-D-1642	N63-18128	16-05
NASA-TN-D-1643	N63-15347	12-30
NASA-TN-D-1644	N63-16987	15-28
NASA-TN-D-1646	N63-12214	05-23
NASA-TN-D-1647	N63-12247	05-04
NASA-TN-D-1648	N63-12701	06-02
NASA-TN-D-1649	N63-12593	06-29
NASA-TN-D-1650	N63-13100	07-03
NASA-TN-D-1651	N63-12930	07-11
NASA-TN-D-1652	N63-15322	12-29
NASA-TN-D-1653	N63-14444	10-22
NASA-TN-D-1654	N63-16391	14-24
NASA-TN-D-1655	N63-15052	11-29
NASA-TN-D-1656	N63-17514	16-13
NASA-TN-D-1657	N63-15766	13-27
NASA-TN-D-1658	N63-12931	07-27
NASA-TN-D-1659	N63-14805	11-24
NASA-TN-D-1660	N63-13793	09-20
NASA-TN-D-1661	N63-15695	12-27
NASA-TN-D-1662	N63-14205	09-23
NASA-TN-D-1663	N63-14026	09-15
NASA-TN-D-1664	N63-16290	13-23
NASA-TN-D-1665	N63-15767	13-27
NASA-TN-D-1666	N63-10801	02-33
NASA-TN-D-1667	N63-10802	02-23
NASA-TN-D-1668	N63-12063	05-29
NASA-TN-D-1669	N63-17105	15-29
NASA-TN-D-1670	N63-12702	06-12
NASA-TN-D-1671	N63-13794	09-05
NASA-TN-D-1673	N63-14626	10-30
NASA-TN-D-1674	N63-13821	09-12
NASA-TN-D-1675	N63-12064	05-28
NASA-TN-D-1676	N63-14404	10-29
NASA-TN-D-1677	N63-13101	07-09
NASA-TN-D-1678	N63-10952	02-20
NASA-TN-D-1679	N63-13102	07-28
NASA-TN-D-1681	N63-17549	16-27
NASA-TN-D-1682	N63-12594	06-29
NASA-TN-D-1683	N63-23123	24-31
NASA-TN-D-1684	N63-14426	10-28
NASA-TN-D-1685	N63-12595	06-29
NASA-TN-D-1686	N63-13719	08-12
NASA-TN-D-1687	N63-14714	10-28
NASA-TN-D-1689	N63-11124	03-24
NASA-TN-D-1690	N63-11056	03-34
NASA-TN-D-1691	N63-11050	03-34
NASA-TN-D-1692	N63-11057	03-34
NASA-TN-D-1693	N63-13795	09-15
NASA-TN-D-1694	N63-13720	08-12
NASA-TN-D-1695	N63-14276	10-15
NASA-TN-D-1696	N63-13103	07-28
NASA-TN-D-1698	N63-16426	14-15
NASA-TN-D-1699	N63-13721	08-04
NASA-TN-D-1700	N63-14293	10-28
NASA-TN-D-1701	N63-12932	07-29
NASA-TN-D-1702	N63-18015	16-23
NASA-TN-D-1703	N63-15768	13-11
NASA-TN-D-1704	N63-15957	13-15
NASA-TN-D-1705	N63-20888	21-24
NASA-TN-D-1706	N63-14405	10-18
NASA-TN-D-1707	N63-16161	13-18
NASA-TN-D-1708	N63-15769	13-17
NASA-TN-D-1709	N63-16988	15-23
NASA-TN-D-1710	N63-15770	13-06
NASA-TN-D-1711	N63-16162	13-11
NASA-TN-D-1712	N63-16601	14-11
NASA-TN-D-1713	N63-14586	10-21
NASA-TN-D-1714	N63-15053	11-15
NASA-TN-D-1715	N63-13220	07-15
NASA-TN-D-1716	N63-14277	10-15
NASA-TN-D-1717	N63-13722	08-28
NASA-TN-D-1718	N63-18654	17-15
NASA-TN-D-1719	N63-13104	07-32
NASA-TN-D-1720	N63-16291	13-24
NASA-TN-D-1721	N63-16292	13-12
NASA-TN-D-1722	N63-14428	10-32
NASA-TN-D-1723	N63-12640	06-27
NASA-TN-D-1724	N63-12951	07-15
NASA-TN-D-1725	N63-19177	18-10
NASA-TN-D-1726	N63-16688	14-13
NASA-TN-D-1727	N63-16989	15-15

NASA-TN-D-1728	N63-15561	12-11
NASA-TN-D-1729	N63-16669	14-17
NASA-TN-D-1731	N63-18209	16-23
NASA-TN-D-1732	N63-16995	15-27
NASA-TN-D-1733	N63-18655	17-27
NASA-TN-D-1734	N63-16711	14-24
NASA-TN-D-1735	N63-20889	21-20
NASA-TN-D-1736	N63-15954	13-26
NASA-TN-D-1737	N63-22162	23-20
NASA-TN-D-1738	N63-23676	24-23
NASA-TN-D-1739	N63-19650	19-07
NASA-TN-D-1740	N63-19733	19-33
NASA-TN-D-1741	N63-18232	17-23
NASA-TN-D-1742	N63-19651	19-13
NASA-TN-D-1743	N63-18894	18-13
NASA-TN-D-1744	N63-18233	17-07
NASA-TN-D-1745	N63-16575	14-29
NASA-TN-D-1746	N63-16163	13-12
NASA-TN-D-1747	N63-15055	11-32
NASA-TN-D-1748	N63-18656	17-32
NASA-TN-D-1749	N63-18458	17-12
NASA-TN-D-1750	N63-17547	16-32
NASA-TN-D-1751	N63-14027	09-12
NASA-TN-D-1753	N63-18459	17-09
NASA-TN-D-1754	N63-18460	17-28
NASA-TN-D-1755	N63-18657	17-21
NASA-TN-D-1756	N63-17119	15-20
NASA-TN-D-1757	N63-19074	18-15
NASA-TN-D-1759	N63-16392	14-09
NASA-TN-D-1760	N63-17143	15-20
NASA-TN-D-1761	N63-16990	15-11
NASA-TN-D-1762	N63-17141	15-12
NASA-TN-D-1763	N63-21888	22-33
NASA-TN-D-1764	N63-16293	13-28
NASA-TN-D-1765	N63-14028	09-22
NASA-TN-D-1767	N63-14587	10-29
NASA-TN-D-1768	N63-14029	09-02
NASA-TN-D-1769	N63-14588	10-02
NASA-TN-D-1770	N63-14806	11-29
NASA-TN-D-1771	N63-17504	16-32
NASA-TN-D-1772	N63-15473	12-30
NASA-TN-D-1773	N63-15526	12-04
NASA-TN-D-1774	N63-15771	13-03
NASA-TN-D-1775	N63-15306	12-29
NASA-TN-D-1776	N63-15235	11-03
NASA-TN-D-1777	N63-15056	11-22
NASA-TN-D-1778	N63-18770	17-24
NASA-TN-D-1779	N63-14589	10-02
NASA-TN-D-1780	N63-15236	11-29
NASA-TN-D-1781	N63-15527	12-02
NASA-TN-D-1782	N63-15241	11-14
NASA-TN-D-1783	N63-15501	12-24
NASA-TN-D-1784	N63-15772	13-18
NASA-TN-D-1785	N63-17340	15-18
NASA-TN-D-1786	N63-15307	12-02
NASA-TN-D-1787	N63-15773	13-26
NASA-TN-D-1788	N63-16185	13-03
NASA-TN-D-1789	N63-15308	12-02
NASA-TN-D-1790	N63-16294	13-30
NASA-TN-D-1791	N63-16164	13-07
NASA-TN-D-1792	N63-19178	18-03
NASA-TN-D-1793	N63-17301	15-02
NASA-TN-D-1794	N63-16295	13-32
NASA-TN-D-1795	N63-14278	10-11
NASA-TN-D-1797	N63-15562	12-10
NASA-TN-D-1798	N63-16296	13-18
NASA-TN-D-1799	N63-16427	14-02
NASA-TN-D-1800	N63-16186	13-11
NASA-TN-D-1801	N63-15774	13-04
NASA-TN-D-1802	N63-18658	17-04
NASA-TN-D-1803	N63-18771	17-33
NASA-TN-D-1804	N63-16297	13-02
NASA-TN-D-1806	N63-19604	19-03
NASA-TN-D-1807	N63-19652	19-23
NASA-TN-D-1808	N63-17548	16-07
NASA-TN-D-1809	N63-16428	14-03
NASA-TN-D-1810	N63-16745	14-11
NASA-TN-D-1811	N63-16991	15-30
NASA-TN-D-1812	N63-22708	23-22
NASA-TN-D-1813	N63-18461	17-33
NASA-TN-D-1814	N63-18659	17-19
NASA-TN-D-1815	N63-18499	17-03
NASA-TN-D-1816	N63-16992	15-32
NASA-TN-D-1817	N63-19275	18-27
NASA-TN-D-1818	N63-18462	17-08
NASA-TN-D-1819	N63-18160	16-20
NASA-TN-D-1820	N63-18463	17-22
NASA-TN-D-1821	N63-23362	24-30
NASA-TN-D-1822	N63-18129	16-03
NASA-TN-D-1823	N63-17302	15-02
NASA-TN-D-1824	N63-18234	17-[illegible]
NASA-TN-D-1825	N63-13189	07-[illegible]
NASA-TN-D-1826	N63-14429	10-[illegible]
NASA-TN-D-1828	N63-16298	13-[illegible]
NASA-TN-D-1830	N63-18161	16-[illegible]
NASA-TN-D-1831	N63-23677	24-[illegible]
NASA-TN-D-1832	N63-18887	18-[illegible]
NASA-TN-D-1833	N63-16993	15-[illegible]
NASA-TN-D-1834	N63-18130	16-[illegible]
NASA-TN-D-1836	N63-21889	22-[illegible]
NASA-TN-D-1838	N63-19734	19-[illegible]
NASA-TN-D-1839	N63-23124	24-[illegible]
NASA-TN-D-1840	N63-22709	23-[illegible]
NASA-TN-D-1841	N63-20601	20-[illegible]
NASA-TN-D-1842	N63-18131	16-[illegible]
NASA-TN-D-1843	N63-18464	17-[illegible]
NASA-TN-D-1844	N63-17550	16-[illegible]
NASA-TN-D-1846	N63-20602	20-[illegible]
NASA-TN-D-1847	N63-16429	14-[illegible]
NASA-TN-D-1848	N63-16994	15-[illegible]
NASA-TN-D-1849	N63-18660	17-[illegible]
NASA-TN-D-1850	N63-20603	20-[illegible]
NASA-TN-D-1851	N63-19605	19-[illegible]
NASA-TN-D-1853	N63-18661	17-[illegible]
NASA-TN-D-1854	N63-18888	18-[illegible]
NASA-TN-D-1855	N63-19735	19-[illegible]
NASA-TN-D-1858	N63-21344	21-[illegible]
NASA-TN-D-1859	N63-15421	12-[illegible]
NASA-TN-D-1870	N63-15509	12-[illegible]
NASA-TN-D-1871	N63-14406	10-[illegible]
NASA-TN-D-1872, REV.	N63-14279	10-[illegible]
NASA-TN-D-1872	N63-20107	20-[illegible]
NASA-TN-D-1873	N63-14430	10-[illegible]
NASA-TN-D-1874	N63-19179	18-[illegible]
NASA-TN-D-1875	N63-18652	17-[illegible]
NASA-TN-D-1876	N63-20604	20-[illegible]
NASA-TN-D-1877	N63-18662	17-[illegible]
NASA-TN-D-1878	N63-22111	22-[illegible]
NASA-TN-D-1879	N63-21890	22-[illegible]
NASA-TN-D-1881	N63-22112	22-[illegible]
NASA-TN-D-1884	N63-15922	13-[illegible]
NASA-TN-D-1885	N63-17544	16-[illegible]
NASA-TN-D-1887	N63-16430	14-[illegible]
NASA-TN-D-1888	N63-15563	12-[illegible]
NASA-TN-D-1889	N63-18466	17-[illegible]
NASA-TN-D-1890	N63-18162	16-[illegible]
NASA-TN-D-1891	N63-18663	17-[illegible]
NASA-TN-D-1892	N63-22598	23-[illegible]
NASA-TN-D-1894	N63-15323	12-[illegible]
NASA-TN-D-1895	N63-15775	13-[illegible]
NASA-TN-D-1897	N63-15776	13-[illegible]
NASA-TN-D-1898	N63-19371	18-[illegible]
NASA-TN-D-1900	N63-18664	17-[illegible]
NASA-TN-D-1901	N63-22113	22-[illegible]
NASA-TN-D-1902	N63-21345	21-[illegible]
NASA-TN-D-1903	N63-20605	20-[illegible]
NASA-TN-D-1904	N63-20606	20-[illegible]
NASA-TN-D-1906	N63-23708	24-[illegible]
NASA-TN-D-1907	N63-22710	23-[illegible]
NASA-TN-D-1908	N63-22711	23-[illegible]
NASA-TN-D-1913	N63-23678	24-1
NASA-TN-D-1915	N63-23679	24-2
NASA-TN-D-1918	N63-15393	12-3
NASA-TN-D-1919	N63-15777	13-3
NASA-TN-D-1920	N63-15778	13-3
NASA-TN-D-1921	N63-19606	19-2
NASA-TN-D-1922	N63-18210	16-3
NASA-TN-D-1923	N63-19180	18-3
NASA-TN-D-1924	N63-18665	17-1
NASA-TN-D-1925	N63-18235	17-0
NASA-TN-D-1926	N63-18889	18-0
NASA-TN-D-1928	N63-18132	16-3
NASA-TN-D-1929	N63-18467	17-0
NASA-TN-D-1930	N63-18500	17-0
NASA-TN-D-1931	N63-18468	17-0
NASA-TN-D-1932	N63-19607	19-3
NASA-TN-D-1933	N63-18666	17-0
NASA-TN-D-1934	N63-18772	17-3
NASA-TN-D-1935	N63-18211	16-3
NASA-TN-D-1936	N63-18163	16-0
NASA-TN-D-1937	N63-18667	17-0
NASA-TN-D-1938	N63-18469	17-2
NASA-TN-D-1939	N63-19276	18-2
NASA-TN-D-1940	N63-19277	18-3
NASA-TN-D-1941	N63-19278	18-0
NASA-TN-D-1942	N63-19608	19-1
NASA-TN-D-1943	N63-18773	17-1
NASA-TN-D-1944	N63-18133	16-1
NASA-TN-D-1945	N63-19279	18-3
NASA-TN-D-1946	N63-19736	19-0

NASA-TN D-1947	N63-17545	16-02
NASA-TN-D-1948	N63-21055	21-33
NASA-TN-D-1949	N63-21065	21-33
NASA-TN-D-1950	N63-18134	16-22
NASA-TN-D-1951	N63-19609	19-30
NASA-TN-D-1952	N63-22136	22-14
NASA-TN-D-1953	N63-22114	22-11
NASA-TN-D-1954	N63-18135	16-03
NASA-TN-D-1955	N63-21056	21-32
NASA-TN-D-1956	N63-21057	21-02
NASA-TN-D-1957	N63-19737	19-03
NASA-TN-D-1958	N63-21891	22-31
NASA-TN-D-1959	N63-18136	16-03
NASA-TN-D-1960	N63-22712	23-13
NASA-TN-D-1961	N63-21892	22-31
NASA-TN-D-1962	N63-23786	24-02
NASA-TN-D-1963	N63-22115	22-02
NASA-TN-D-1964	N63-20890	21-04
NASA-TN-D-1965	N63-20607	20-04
NASA-TN-D-1967	N63-22897	23-33
NASA-TN-D-1968	N63-23125	24-04
NASA-TN-D-1969	N63-21893	22-32
NASA-TN-D-1971	N63-22116	22-03
NASA-TN-D-1972	N63-20324	20-13
NASA-TN-D-1975	N63-18470	17-13
NASA-TN-D-1976	N63-21894	22-18
NASA-TN-D-1977	N63-21271	21-12
NASA-TN-D-1978	N63-20608	20-13
NASA-TN-D-1982	N63-22600	23-02
NASA-TN-D-1983	N63-16746	14-11
NASA-TN-D-1984	N63-17208	15-29
NASA-TN-D-1985	N63-20347	20-23
NASA-TN-D-1987	N63-23680	24-23
NASA-TN-D-1988	N63-21895	22-27
NASA-TN-D-1992	N63-22572	23-09
NASA-TN-D-1993	N63-22601	23-23
NASA-TN-D-1994	N63-22713	23-17
NASA-TN-D-2005	N63-18668	17-33
NASA-TN-D-2006	N63-20891	21-24
NASA-TN-D-2007	N63-18669	17-15
NASA-TN-D-2008	N63-20754	21-16
NASA-TN-D-2009	N63-23681	24-02
NASA-TN-D-2010	N63-21896	22-19
NASA-TN-D-2012	N63-19858	19-33
NASA-TN-D-2014	N63-22944	23-03
NASA-TN-D-2017	N63-23652	24-30
NASA-TN-D-2022	N63-23682	24-02
NASA-TN-D-2026	N63-22945	23-02
NASA-TN-D-2029	N63-22946	23-02
NASA-TN-D-2030	N63-22947	23-03
NASA-TN-D-2038	N63-23363	24-02
NASA-TN-D-2059	N63-19610	19-34
NASA-TN-D-2061	N63-22861	23-06
NASA-TN-D-2070	N63-23683	24-23
NASA-TN-D-2075	N63-23684	24-02
NASA-TN-D-2090	N63-22117	22-04
NASA-TN-D-2091	N63-20609	20-29
NASA-TN-D-2094	N63-23685	24-22
NASA-TN-D-2113	N63-20892	21-17
NASA-TN-D-2114	N63-21272	21-12
NASA-TN-D-2125	N63-23126	24-34
NASA-TN-D-2226	N63-23653	24-24
NASA-TR-R-22	N63-15762	12-11
NASA-TR-R-100	N63-14871	11-02
NASA-TR-R-101	N63-14872	11-02
NASA-TR-R-104	N63-18137	16-13
NASA-TR-R-107	N63-18471	17-11
NASA-TR-R-115	N63-14781	11-02
NASA-TR-R-120	N63-18472	17-12
NASA-TR-R-121	N63-14873	11-24
NASA-TR-R-123	N63-13105	07-02
NASA-TR-R-125	N63-11779	04-02
NASA-TR-R-127	N63-16425	14-02
NASA-TR-R-128	N63-11780	04-22
NASA-TR-R-129	N63-12596	06-29
NASA-TR-R-132	N63-22862	23-13
NASA-TR-R-133	N63-13106	07-02
NASA-TR-R-134	N63-18776	18-19
NASA-TR-R-136	N63-13859	09-12
NASA-TR-R-137	N63-10736	02-30
NASA-TR R-138	N63-17551	16-11
NASA-TR-R-139	N63-16288	13-03
NASA-TR-R-140	N63-11781	04-27
NASA-TR-R-142	N63-12597	06-13
NASA-TR-R-145	N63-23358	24-11
NASA-TR-R-146	N63-14972	11-02
NASA-TR-R-148	N63-13723	08-29
NASA-TR-R-158	N63-16258	13-29
NASA-TR-R-182	N63-23686	24-02
NASA-TR-T-124	N63-10219	01-04
NASA-TT-F-78	N63-15237	11-06
NASA-TT-F-79	N63-12262	05-11
NASA-TT-F-81	N63-22264	23-01
NASA-TT-F-85	N63-10532	01-33
NASA-TT-F-87	N63-13251	07-04
NASA-TT-F-89	N63-11609	04-29
NASA-TT-F-93	N63-11212	03-29
NASA-TT-F-94	N63-21073	21-11
NASA-TT-F-95	N63-21484	22-07
NASA-TT-F-96	N63-19157	18-23
NASA-TT-F-98	N63-11498	03-23
NASA-TT-F-101	N63-20428	20-23
NASA-TT-F-106	N63-10988	02-12
NASA-TT-F-109	N63-14012	09-12
NASA-TT-F-110	N63-19859	19-23
NASA-TT-F-112	N63-10769	02-05
NASA-TT-F-113	N63-11611	04-29
NASA-TT-F-114	N63-11612	04-20
NASA-TT-F-115	N63-21392	22-21
NASA-TT-F-116	N63-19860	19-28
NASA-TT-F-129	N63-22948	23-02
NASA-TT-F-130	N63-13222	07-16
NASA-TT-F-131	N63-13223	07-16
NASA-TT-F-133	N63-12061	05-20
NASA-TT-F-135	N63-18312	17-18
NASA-TT-F-140	N63-13539	08-17
NASA-TT-F-152	N63-15238	11-23
NASA-TT-F-153	N63-20610	20-23
NASA-TT-F-154	N63-19861	19-23
NASA-TT-F-155	N63-14210	09-09
NASA-TT-F-156	N63-22863	23-16
NASA-TT-F-157	N63-15510	12-16
NASA-TT-F-158	N63-14364	10-16
NASA-TT-F-159	N63-14316	10-16
NASA-TT-F-160	N63-14248	10-16
NASA-TT-F-161	N63-14431	10-16
NASA-TT-F-162	N63-14432	10-16
NASA-TT-F-163	N63-15511	12-16
NASA-TT-F-165	N63-19862	19-29
NASA-TT-F-166	N63-20611	20-16
NASA-TT-F-170	N63-19863	19-29
NASA-TT-F-171	N63-19864	19-29
NASA-TT-F-178	N63-19865	19-13
NASA-TT-F-179	N63-22602	23-12
NASA-TT-F-180	N63-22949	23-23
NASA-TT-F-185	N63-20612	20-17
NASA-TT-F-186	N63-20613	20-16
NASA-X-320-63-26	N63-20208	20-32
NASA-X-326-63-10	N63-23034	24-06
NASA-X-520-62-86	N63-18421	17-20
NASA-X-520-62-170	N63-16709	14-29
NASA-X-533-62-55	N63-21992	22-32
NASA-X-533-62-55, VOL.2, NO.16	N63-22006	22-32
NASA-X-533-63-1	N63-21250	21-32
NASA-X-533-63-1	N63-21993	22-32
NASA-X-533-63-1, VOL.3, NO.3	N63-22007	22-32
NASA-X-533-63-1, VOL.3, NO.9	N63-22008	22-32
NASA-X-533-63-1, VOL.3, NO.12	N63-22009	22-32
NASA-X-533-63-1, VOL.3, NO.13	N63-22010	22-32
NASA-X-533-63-1, VOL.3, NO.15	N63-22170	23-32
NASA-X-533-63-1, VOL.3, NO.16	N63-22169	23-32
NASA-X-533-63-1, VOL.3, NO.17	N63-23016	24-32
NASA-X-533-63-1, VOL.3, NO.19	N63-23013	24-32
NASA-X-543-62-143	N63-18292	17-05
NASA-X-543-62-227	N63-23038	24-20
NASA-X-561-62-158	N63-16717	14-20
NASA-X-611-63-12	N63-23024	24-12
NASA-X-613-62-30	N63-16707	14-28
NASA-X-614-62-29	N63-16708	14-28
NASA-X-615-62-132	N63-16672	14-12
NASA X-615-63-22	N63-21311	21-12
NASA-X-615-63-126	N63-22172	23-28
NASA-X-620-63-86	N63-17203	15-32
NASA-X-623-62-206	N63-16718	14-12
NASA-X-632-63-143	N63-21899	22-08
NASA-X-634-62-12	N63-22052	22-19
NASA-X-640-62-38	N63-17104	15-28
NASA-X-640-63-54	N63-21335	21-23
NASA-X-640-63-71	N63-18869	18-29
NASA-X-650-62-226	N63-18601	17-32
NAVORD-4185	N63-13085	07-11
NAVORD-6877	N63-14577	10-11
NAVTRADEVCEN-323-1	N63-19088	18-14
NAVTRADEVCEN-594-1	N63-20964	21-20
NAVTRADEVCEN-783-1	N63-16715	14-14

NAVTRADEVCEN-838-2	N63-15328	12-20
NAVTRADEVCEN-1146-1	N63-14788	11-04
NAVTRADEVCEN-1188-1	N63-16737	14-09
NAVWEPS-7198 /REV./	N63-22518	23-18
NAVWEPS-7202	N63-22132	22-08
NAVWEPS-7390	N63-10110	01-18
NAVWEPS-7670	N63-10423	01-20
NAVWEPS-7773	N63-11046	03-15
NAVWEPS-7900	N63-13759	08-27
NAVWEPS-7918, PT. 1	N63-15891	13-19
NAVWEPS-7920	N63-11424	03-11
NAVWEPS-7947	N63-11739	04-25
NAVWEPS-7949	N63-20377	20-19
NAVWEPS-7964	N63-12680	06-26
NAVWEPS-7970	N63-10567	01-23
NAVWEPS-8022	N63-13629	08-13
NAVWEPS-8030	N63-17066	15-19
NAVWEPS-8042	N63-16037	13-11
NAVWEPS-8048	N63-16317	13-02
NAVWEPS-8055	N63-16320	13-23
NAVWEPS-8060	N63-13676	08-16
NAVWEPS-8064	N63-14227	09-33
NAVWEPS-8068	N63-13611	08-10
NAVWEPS-8080	N63-21027	21-15
NAVWEPS-8086	N63-16101	13-25
NAVWEPS-8144	N63-15717	12-09
NAVWEPS-8146	N63-22132	22-08
NBL-188	N63-12435	06-07
NBL-189	N63-12401	06-07
NBL-191	N63-14644	10-15
NBL-194	N63-15551	12-15
NBS-7234	N63-12706	06-19
NBS-7607	N63-11544	03-23
NBS-7633	N63-11980	05-12
NBS-7641	N63-13225	07-23
NBS-7829	N63-14224	09-07
NBS-8007	N63-18367	17-23
NBS-MONOGRAPH-35	N63-14845	11-15
NBS-MONOGRAPH-42	N63-18195	16-34
NBS-MONOGRAPH-46	N63-16840	14-09
NBS-MONOGRAPH-47	N63-14846	11-23
NBS-MONOGRAPH-50	N63-13634	08-23
NBS-MONOGRAPH-55	N63-20408	20-11
NBS-MONOGRAPH-56	N63-20767	21-09
NBS-MONOGRAPH-59	N63-19993	19-19
NBS MONOGRAPH-66	N63-20745	21-11
NBS-R-213	N63-12669	06-26
NBS-R-235	N63-18983	18-23
NBS-R-236	N63-16732	14-11
NBS-R-269	N63-16687	14-23
NBS-R-270	N63-16685	14-23
NBS-TN-18-14	N63-11047	03-08
NBS-TN-18-15	N63-14853	11-08
NBS-TN-18-16	N63-18361	17-08
NBS-TN-40-7	N63-11357	03-12
NBS-TN-40-8	N63-11033	03-12
NBS-TN-40-9	N63-16461	14-12
NBS-TN-40-10	N63-16462	14-12
NBS-TN-40-11	N63-21157	21-12
NBS-TN-40-13	N63-11358	03-12
NBS-TN-98	N63-11631	04-21
NBS-TN-99	N63-11623	04-15
NBS-TN-120A	N63-18983	18-23
NBS-TN-126	N63-20739	21-08
NBS-TN-127	N63-11032	03-08
NBS-TN-129	N63-12472	06-23
NBS-TN-137	N63-14810	11-19
NBS-TN-142	N63-19022	18-12
NBS-TN-144	N63-12695	06-23
NBS-TN-160	N63-11031	03-09
NBS-TN-162	N63-12645	06-12
NBS-TN-164	N63-14864	11-24
NBS-TN-165	N63-13031	07-08
NBS-TN-167	N63-14967	11-08
NBS-TN-169	N63-11980	05-12
NBS-TN-172	N63-14842	11-23
NBS-TN-173	N63-16050	13-25
NBS-TN-175	N63-16900	14-08
NBS-TN-177	N63-19984	19-09
NBS-TN-178	N63-16744	14-12
NBS-TN-180	N63-21446	22-12
NBS-TN-181	N63-20686	20-12
NBS-TN-182	N63-20736	21-08
NBS-TN-184	N63-23431	24-08
NBS-TN-187	N63-15566	12-1[illegible]
NCRL-10615	N63-12943	07-2[illegible]
NDL-TR-36, VOL. A	N63-15543	12-[illegible]
NDL-TR-36, VOL. B	N63-15544	12-[illegible]
NDL-TR-40	N63-11681	04-[illegible]
NDRE-45	N63-19477	19-[illegible]
NDRE-46	N63-22299	23-[illegible]
NDRE-T-231	N63-12830	06-[illegible]
NEL-31	N63-19407	19-[illegible]
NEL-32	N63-19330	18-[illegible]
NEL-1121	N63-16927	14-[illegible]
NEL-1148	N63-13379	08-[illegible]
NEL-1150	N63-13010	07-[illegible]
NEL-1151	N63-13012	07-[illegible]
NEL-1152	N63-13078	07-[illegible]
NEL-1155	N63-13377	08-[illegible]
NEL-1161	N63-18854	18-[illegible]
NEL-1165	N63-17951	16-[illegible]
NEL-1175	N63-23072	24-[illegible]
NGTE-M-59	N63-14538	10-[illegible]
NGTE-M-350	N63-17144	15-[illegible]
NGTE-R-247	N63-23745	24-[illegible]
NLCO-881	N63-17386	15-[illegible]
NLCO-882	N63-17916	16-[illegible]
NLCO-885	N63-21180	21-[illegible]
NLL-TN-V.1846	N63-23344	24-[illegible]
NLL-TN-V.1875	N63-13692	08-[illegible]
NLL-TR-S.527	N63-11832	04-[illegible]
NLL-TR-S.529	N63-11832	04-[illegible]
NLL-TR-S.542	N63-11832	04-[illegible]
NLR-TN-M.2096	N63-14319	10-[illegible]
NLR-TN-M.2098	N63-14320	10-[illegible]
NLR-TN-M.2104	N63-21720	22-[illegible]
NLR-TN-V.1895	N63-21255	21-[illegible]
NLR-TN-V.1913	N63-23344	24-[illegible]
NLR-TR-W.3	N63-11832	04-[illegible]
NLR-TR-W.5	N63-11832	04-[illegible]
NMC-TM-62-22	N63-22203	23-[illegible]
NMI-9522	N63-10311	01-[illegible]
NMI-9525	N63-12712	06-[illegible]
NML-62-1	N63-11189	03-25
NOLC-558	N63-12966	07-[illegible]
NOLC-562	N63-10559	01-[illegible]
NOLC-563	N63-10560	01-[illegible]
NOLC-564	N63-16668	14-[illegible]
NOLC-568	N63-11418	03-[illegible]
NOLC-575	N63-12409	06-[illegible]
NOLC-576	N63-12429	06-[illegible]
NOLC-578	N63-13625	08-[illegible]
NOLC-TM-43-15	N63-15660	12-[illegible]
NOLTR-61-29	N63-10140	01-26
NOLTR-61-171	N63-12114	05-26
NOLTR-62-1	N63-10111	01-19
NOLTR-62-11	N63-14827	11-02
NOLTR-62-19	N63-12199	05-26
NOLTR-62-59	N63-10893	02-07
NOLTR-62-65	N63-14492	10-07
NOLTR-62-72	N63-16924	14-13
NOLTR-62-75	N63-21289	21-08
NOLTR-62-79	N63-19043	18-33
NOLTR-62-87	N63-18344	17-20
NOLTR-62-89	N63-19328	18-07
NOLTR-62-125	N63-15802	13-25
NOLTR-62-131	N63-11987	05-20
NOLTR-62-143	N63-16916	14-11
NOLTR-62-144	N63-13300	07-18
NOLTR-62-148	N63-14176	09-33
NOLTR-62-149	N63-10653	02-23
NOLTR-62-159	N63-14487	10-26
NOLTR-62-160	N63-11688	04-11
NOLTR-62-166	N63-14282	10-07

NOLTR-62-170	N63-22236	23-11
NOLTR-62-177	N63-12736	06-20
NOLTR-62-182	N63-20338	20-23
NOLTR-62-184	N63-20546	20-11
NOLTR-62-186	N63-17625	16-24
NOLTR-62-189	N63-13983	09-26
NOLTR-62-193	N63-13294	07-20
NOLTR-62-197	N63-20069	20-23
NOLTR-62-206	N63-14407	10-34
NOLTR-62-211	N63-19106	18-23
NOLTR-62-218	N63-14627	10-15
NOLTR-63-1	N63-14365	10-07
NOLTR 63-3	N63-23741	24-27
NOLTR-63-8	N63-18260	17-20
NOLTR-63-10	N63-15844	13-07
NOLTR-63-12	N63-20992	21-26
NOLTR-63-31	N63-14576	10-20
NOLTR-63-33	N63-20420	20-11
NOLTR-63-37	N63-15176	11-11
NOLTR 63-61	N63-23773	24-24
NOLTR-63-73	N63-19932	19-19
NOLTR-63-78	N63-20822	21-02
NOLTR-63-79	N63-18328	17-02
NOLTR-63-91	N63-22490	23-19
NOLTR-63-94	N63-20993	21-11
NOLTR-63-100	N63-19820	19-13
NOLTR-63-103	N63-19821	19-23
NOLTR-63-113	N63-22491	23-19
NOLTR-63-124	N63-19654	19-20
NOLTR-63-132	N63-19653	19-20
NOLTR-63-136	N63-22186	23-26
NOLTR-63-143	N63-22187	23-15
NOLTR-63-145	N63-22188	23-11
NOLTR-63-151	N63-23590	24-25
NOLTR-63-153	N63-22189	23-19
NOLTR-63-154	N63-22492	23-19
NOLTR-63-158	N63-22493	23-23
NOLTR-63-163	N63-22494	23-02
NOLTR-63-171	N63-23610	24-20
NOLTR-63-174	N63-22240	23-13
NOLTR-63-192	N63-22351	23-23
NORT-62-21	N63-18456	17-29
NORT-62-412	N63-13840	09-10
NOTS-1938, REV. 1	N63-17128	15-10
NOTS-TP-2754	N63-11046	03-15
NOTS-TP-2876	N63-11886	04-27
NOTS-TP-2901	N63-13759	08-27
NOTS-TP-2936	N63-15891	13-19
NOTS-TP-2942	N63-11424	03-11
NOTS-TP-2984	N63-11739	04-25
NOTS-TP-2986	N63-20377	20-19
NOTS-TP-3009	N63-12680	06-26
NOTS-TP-3021	N63-10567	01-23
NOTS-TP-3036	N63-16037	13-11
NOTS-TP-3050	N63-16317	13-02
NOTS-TP-3058	N63-16320	13-23
NOTS-TP-3063	N63-13676	08-16
NOTS-TP-3069	N63-14227	09-33
NOTS-TP-3074	N63-13611	08-10
NOTS-TP-3102	N63-21027	21-15
NOTS-TP-3109, PT. 2	N63-12495	06-08
NOTS-TP-3116	N63-16101	13-25
NPL/AERO/415	N63-11925	04-03
NPL/AERO/428	N63-17145	15-20
NPL/AERO/1004	N63-16940	14-11
NPL-AERO-1006	N63-22214	23-02
NPL-AERO-1025	N63-23746	24-11
NPL-AERO-1035	N63-22163	23-11
NPL/AERO/1040	N63-10895	02-32
NPL-R&M-3311	N63-16797	14-03
NRL-80	N63-21718	22-21
NRL-5714	N63-16260	13-07
NRL-5717	N63-14995	11-08
NRL-5752	N63-17033	15-19
NRL-5776	N63-15366	12-18
NRL-5778	N63-14732	11-15
NRL-5787	N63-21040	21-12
NRL-5800	N63-14733	11-16
NRL-5802	N63-16158	13-09
NRL-5814	N63-14926	11-16
NRL-5816	N63-13341	08-07
NRL-5817	N63-12698	06-21
NRL-5828	N63-17142	15-20
NRL-5833	N63-14783	11-12
NRL-5846	N63-10667	02-08
NRL-5847	N63-13005	07-08
NRL-5848	N63-14784	11-09
NRL-5850	N63-14785	11-15
NRL-5867	N63-23154	24-08
NRL-5869	N63-14786	11-28
NRL-5880	N63-13338	08-18
NRL-5887	N63-14787	11-10
NRL-5892	N63-13492	08-34
NRL-5902	N63-22663	23-08
NRL-5904	N63-18997	18-07
NRL-5908	N63-21418	22-06
NRL-5912	N63-18873	18-07
NRL-5915	N63-16388	14-24
NRL-5916	N63-16878	14-18
NRL-5920	N63-14983	11-34
NRL-5929	N63-23170	24-17
NRL-5932	N63-17479	15-07
NRL-5933	N63-21375	22-15
NRL-5937	N63-16277	13-29
NRL-5938	N63-17591	16-15
NRL-5944	N63-17191	15-23
NRL-5945	N63-18120	16-19
NRL-5948	N63-20671	20-18
NRL-5959	N63-19807	19-07
NRL-5963	N63-23774	24-17
NRL-5966	N63-23155	24-21
NRL-5972	N63-21457	22-09
NRL-5983	N63-20326	20-12
NRL MEMO-221	N63-12903	07-17
NRL-MEMO-1361, PT. 1	N63-10586	02-06
NRL-MEMO-1361, PT. 2	N63-14441	10-23
NRL-TM-214	N63-10426	01-17
NRL-TN-M.2099	N63-14321	10-33
NS-1	N63-12144	05-12
NSF-3	N63-17494	16-09
NSF-62-49	N63-13064	07-01
NSF-63-14	N63-18169	16-12
NSF-63-29	N63-19136	18-16
NSF-63-137	N63-21003	21-28
NSF-TR-4	N63-17635	16-24
NSL-62-13	N63-12633	06-29
NSL-62-57	N63-12696	06-29
NSL-62-80	N63-19738	19-28
NSL-62-125-2	N63-12356	06-16
NSL-62-125-5	N63-23530	24-16
NSL-62-132-2	N63-13519	08-34
NSL-62-149-2	N63-18077	16-24
NSL-62-228	N63-12355	06-34
NSL-63-21	N63-17210	15-11
NSL-63-53	N63-15390	12-34
NSL-63-64	N63-18867	18-34
NSP-63-49	N63-23694	24-29
NSRC-1	N63-21076	21-01
NSRC-2	N63-20787	21-10
NSRC-4	N63-20730	21-08
NSRC-5	N63-20908	21-08
NSS-2579	N63-16129	13-08
NSSP-9	N63-10209	01-21
NSSP-11	N63-10691	02-21
NSSP-12	N63-12689	06-21
NSSP-13	N63-17912	16-21
NSSP-14	N63-18277	17-21
NSSP-15	N63-19173	18-21
NSSP-16	N63-19732	19-21
NSSP-17	N63-22726	23-09
NSSP-18	N63-23657	24-21
NTP-AERO-63-59	N63-23819	24-26
NUP-62-2	N63-12743	06-23
NUP-63-1	N63-16283	13-24
NUP-63-2	N63-19344	18-24
NUP-63-3	N63-16284	13-23
NUP-63-4	N63-16691	14-24
NUP-63-7	N63-16692	14-15
NUP-63-8	N63-19398	18-23
NUP-63-9	N63-18025	16-24
NUP-63-10	N63-22810	23-23

NUP-63-12	N63-22913	23-24
NWL-1794	N63-10611	02-11
NWL-1796	N63-10423	01-20
NWL-1833	N63-14721	11-20
NWL-1835	N63-12368	06-11
NWL-1836	N63-12446	06-11
NWL-1840	N63-14190	09-11
NWL-1844	N63-17081	15-20
NWL-1853	N63-16465	14-11
NWL-1854	N63-17647	16-23
NWL-1872	N63-20077	20-06
NWRF15-1062-069	N63-10499	01-21
NYO-2667	N63-16469	14-15
NYO-3943	N63-20035	19-12
NYO-9188	N63-11197	03-11
NYO-9190	N63-11054	03-20
NYO-9192	N63-11802	04-20
NYO-9539	N63-22835	23-23
NYO-9603	N63-11208	03-20
NYO-9657	N63-13561	08-23
NYO-9754	N63-12985	07-24
NYO-9759	N63-11198	03-20
NYO-9760	N63-11491	03-20
NYO-9792	N63-12718	06-06
NYO-9859	N63-12661	06-34
NYO-10178	N63-22787	23-23
NYO-10206	N63-11229	03-23
NYO-10240	N63-21108	21-28
NYO-10241	N63-11865	04-23
NYO-10243	N63-21242	21-28
NYO-10249	N63-10873	02-28
NYO-10250	N63-14060	09-23
NYO-10251	N63-13320	07-23
NYO-10252	N63-13321	07-23
NYO-10253	N63-13322	07-23
NYO-10255	N63-13323	07-23
NYO-10256	N63-13324	07-23
NYO-10257	N63-14809	11-23
NYO-10258	N63-14215	09-23
NYO-10259	N63-14325	10-23
NYO-10260	N63-14326	10-23
NYO-10261	N63-16378	14-15
NYO-10262	N63-16022	13-23
NYO-10263	N63-16778	14-24
NYO-10264	N63-16568	14-23
NYO-10265	N63-16459	14-28
NYO-10266	N63-19288	18-23
NYO-10267	N63-19289	18-23
NYO-10268	N63-19290	18-23
NYO-10269	N63-18146	16-23
NYO-10270	N63-19230	18-23
NYO-10271	N63-18070	16-23
NYO-10273	N63-20421	20-28
NYO-10274	N63-20770	21-23
NYO-10275	N63-21205	21-23
NYO-10276	N63-20785	21-23
NYO-10277	N63-20786	21-23
NYO-10278	N63-21699	22-23
NYO-10422, VOL. II	N63-11685	04-10
NYO-10423	N63-19083	18-23
NYO-10425	N63-15972	13-20
NYO-10426	N63-17344	15-20
NYO-10427	N63-17478	15-11
NYO-10428	N63-15781	13-11
NYO-10429	N63-19337	18-20
NYO-10430	N63-22238	23-23
NYO-10431	N63-19154	18-23
NYO-10432	N63-22224	23-11
NYO-10472	N63-21315	21-25
NYO-10595	N63-22858	23-23
NYU-TR-400-75	N63-19006	18-09
NYU-TR-400-76	N63-19165	18-09
NYU-TR-400-80	N63-22556	23-20
NYU-TR-400-81	N63-20717	21-09
NYU-TR-400-82	N63-21472	22-08
ONERA-91	N63-12634	06-15
ONERA-98/1960/	N63-14451	10-11
ONERA-105	N63-10739	02-11
ONERA-107/1962/	N63-13527	08-11
ONERA-109/1962/	N63-13528	08-11
ONERA-TN-67	N63-11310	03-18
ONERA-TN-69	N63-15677	12-02
ONERA-TN-70-1962	N63-13526	08-19
ONERA-TN-71	N63-15739	12-17
ONERA-TN-72	N63-15740	12-33
ONERA-TR-108	N63-11294	03-15
ONR-14	N63-17351	15-09
ONR-130	N63-21464	22-12
ONR-438	N63-17013	15-11
ONR-RM-53	N63-13737	08-09
ONR-RM-62	N63-10603	02-20
ONR-RM-64	N63-10604	02-20
ONR-RM-78	N63-20923	21-20
ONR-RM-79	N63-20782	21-09
ONR-RM-80	N63-20924	21-20
ONR-TR-40	N63-11559	04-07
ONR-TR-46	N63-11555	04-23
ONR-TR-49	N63-17526	16-25
ONR-TR-50	N63-11556	04-07
ONR-TR-51	N63-17605	16-25
ONR-TR-52	N63-17717	16-07
ONR-TR-60	N63-22407	23-19
ONR-TR-61	N63-22408	23-19
ONR-TR-62	N63-22409	23-19
ONR-TR-63	N63-22972	23-23
ONR-TR-RLT-55	N63-11962	05-07
ONR-TR-RLT-56	N63-12662	06-19
ONR-TR-RLT-57	N63-12756	06-07
ONR-TR-RLT-58	N63-13205	07-19
ONR-TR-RLT-59	N63-16553	14-19
ONR-TR-RLT-60	N63-19181	18-07
ONR-TR-RLT-61	N63-19766	19-07
ONR-TR-RLT-62	N63-19323	18-19
ONR-TR-RLT-63	N63-19823	19-19
ONR-TR-RLT-64	N63-23081	24-19
ONR-TR-RLT-65	N63-21024	21-07
ONRL-3391	N63-20395	20-07
OR-2495-1	N63-10762	02-08
OR-3530-2	N63-11573	04-07
ORA-63-1	N63-13417	08-10
ORA-63-2	N63-13418	08-13
ORA-63-3	N63-16405	14-26
ORA-63-5	N63-14053	09-20
ORA-63-6	N63-19743	19-32
ORA-63-8	N63-17543	16-08
ORA-63-9	N63-17727	16-11
ORD-600	N63-14860	11-07
ORINS-42	N63-18744	17-16
ORNL-332/3RD ED./	N63-16031	13-15
ORNL-3090	N63-10587	02-23
ORNL-3099	N63-19077	18-18
ORNL-3115	N63-17442	15-16
ORNL-3191	N63-14801	11-01
ORNL-3251	N63-11566	04-20
ORNL-3254	N63-14812	11-23
ORNL-3265	N63-14813	11-07
ORNL-3266	N63-14493	10-23
ORNL-3288	N63-14663	10-23
ORNL-3289	N63-11730	04-23
ORNL-3294	N63-11210	03-03
ORNL-3299	N63-12257	05-33
ORNL-3314	N63-18329	17-01
ORNL-3318	N63-10657	02-20
ORNL-3325	N63-19148	18-24
ORNL-3344	N63-10867	02-17
ORNL-3354	N63-10542	01-23
ORNL-3360	N63-11754	04-23
ORNL-3364	N63-18853	18-25
ORNL-3365	N63-13250	07-23
ORNL-3367	N63-11983	05-23
ORNL-3372	N63-12316	05-10
ORNL-3375	N63-12218	05-07
ORNL-3378	N63-12727	06-15
ORNL-3379	N63-19341	18-11
ORNL-3383	N63-16125	13-23
ORNL-3387	N63-12258	05-24
ORNL-3389	N63-12989	07-07
ORNL-3392	N63-13458	08-23
ORNL-3394	N63-12345	05-20
ORNL-3396	N63-13307	07-07
ORNL-3397	N63-12657	06-07
ORNL-3398	N63-13974	09-33
ORNL-3399	N63-13975	09-20

ORNL-3405	N63-19123	18-20
ORNL-3406	N63-12990	07-23
ORNL-3407	N63-14567	10-23
ORNL-3411	N63-20907	21-19
ORNL-3417	N63-15441	12-07
ORNL-3421	N63-18021	16-23
ORNL-3422	N63-16955	14-11
ORNL-3423	N63-15047	11-20
ORNL-3424	N63-21380	22-18
ORNL-3425	N63-17249	15-23
ORNL-3429	N63-19519	19-20
ORNL-3430	N63-16543	14-20
ORNL-3431	N63-19217	18-23
ORNL-3432	N63-16499	14-25
ORNL-3433	N63-16500	14-25
ORNL-3438	N63-17070	15-18
ORNL-3440	N63-16170	13-23
ORNL-3442	N63-17771	16-15
ORNL-3443	N63-16544	14-23
ORNL-3445	N63-21258	21-23
ORNL-3447	N63-17538	16-20
ORNL-3448	N63-19208	18-18
ORNL-3450	N63-19309	18-25
ORNL-3457	N63-19520	19-09
ORNL-3461	N63-18816	18-07
ORNL-3466	N63-19172	18-23
ORNL-3468	N63-21014	21-23
ORNL-3471	N63-19813	19-07
ORNL-3472	N63-19842	19-24
ORNL-3478	N63-22225	23-10
ORNL-3480	N63-20230	20-25
ORNL-3482	N63-23098	24-07
ORNL-3483	N63-21471	22-16
ORNL-3486	N63-21470	22-23
ORNL-3488	N63-23567	24-07
ORNL-3492	N63-22226	23-16
ORNL-3493	N63-22227	23-23
ORNL-3497	N63-23568	24-07
ORNL-3511	N63-23099	24-17
ORNL-RMIC-1	N63-22541	23-19
ORO-490	N63-15489	12-15
ORO-605	N63-20438	20-16
OTS-61-11147-63	N63-19122	18-12
OTS-61-11303	N63-11863	04-20
OTS-61-11437	N63-14638	10-23
OTS-61-11463	N63-19383	18-21
OTS 61-31075	N63-17006	15-26
OTS-61-31208	N63-16187	13-23
OTS-62-11782	N63-11523	03-05
OTS-63-31738	N63-21489	22-16
OTS-63-21321	N63-20928	21-16
OTS-63-21437	N63-21495	22-16
OTS-63-21498	N63-21546	22-16
OTS-63-21528	N63-21036	21-17
OTS-63-21572	N63-22097	22-21
OTS-63-31332	N63-19819	19-16
OTS-63-31359	N63-19521	19-21
OTS-63-31389	N63-21214	21-16
OTS-63-31395	N63-19795	19-10
OTS-63-31412	N63-19840	19-14
OTS-63-31437	N63-20034	19-12
OTS-63-31439	N63-19818	19-16
OTS-63-31442	N63-19553	19-05
OTS-63-31445	N63-20390	20-09
OTS-63-31456	N63-19522	19-20
OTS-63-31466	N63-19751	19-16
OTS-63-31468	N63-20435	20-16
OTS-63-31478	N63-19802	19-14
OTS-63-31481	N63-19752	19-16
OTS-63-31486	N63-20327	20-17
OTS-63-31493	N63-19753	19-16
OTS-63-31500	N63-19955	19-08
OTS-63-31511	N63-19912	19-16
OTS-63-31521	N63-19754	19-21
OTS-63-31522	N63-20399	20-14
OTS-63-31540	N63-21085	21-20
OTS-63-31552	N63-20391	20-14
OTS-63-31556	N63-19729	19-21
OTS-63-31566	N63-19913	19-25
OTS-63-31570	N63-20431	20-16
OTS-63-31582	N63-20392	20-16
OTS-63-31585	N63-20714	21-16
OTS-63-31589	N63-19874	19-16
OTS-63-31590	N63-19956	19-16
OTS-63-31593	N63-22152	22-23
OTS-63-31609	N63-20661	20-21
OTS-63-31610	N63-20662	20-20
OTS-63-31611	N63-20328	20-16
OTS-63-31626	N63-20329	20-18
OTS-63-31637	N63-21492	22-01
OTS-63-31638	N63-20637	20-09
OTS-63-31651	N63-20638	20-21
OTS-63-31654	N63-20663	20-16
OTS-63-31658	N63-20696	21-16
OTS-63-31664	N63-20800	21-17
OTS-63-31666	N63-22098	22-29
OTS-63-31684	N63-21186	21-16
OTS-63-31685	N63-20902	21-07
OTS-63-31688	N63-21025	21-17
OTS-63-31690	N63-21448	22-16
OTS-63-31692	N63-20743	21-12
OTS-63-31694	N63-20903	21-21
OTS-63-31696	N63-21026	21-23
OTS-63-31697	N63-20904	21-17
OTS-63-31698	N63-20905	21-17
OTS-63-31700	N63-20906	21-01
OTS-63-31701	N63-20744	21-16
OTS-63-31707	N63-21187	21-23
OTS-63-31709	N63-22432	23-16
OTS-63-31716	N63-22587	23-16
OTS-63-31720	N63-23553	24-20
OTS-63-31728	N63-21385	22-19
OTS-63-31735	N63-22433	23-16
OTS-63-31738	N63-22434	23-16
OTS-63-31747	N63-22296	23-16
OTS-63-31748	N63-23053	24-25
OTS-63-31749	N63-21925	22-18
OTS-63-31750	N63-22099	22-16
OTS-63-31755	N63-22435	23-16
OTS-63-31759	N63-21935	22-12
OTS-63-31760	N63-22021	22-33
OTS-63-31761	N63-22100	22-11
OTS-63-31769	N63-21926	22-16
OTS-63-31780	N63-21455	22-16
OTS-63-31785	N63-21931	22-32
OTS-63-31786	N63-22101	22-08
OTS-63-31787	N63-21384	22-32
OTS-63-31788	N63-21416	22-11
OTS-63-31791	N63-21450	22-29
OTS-63-31791	N63-23675	24-30
OTS-63-31792	N63-22102	22-07
OTS-63-31794	N63-21451	22-16
OTS-63-31798	N63-22032	22-01
OTS-63-31799	N63-22436	23-12
OTS-63-31802	N63-22553	23-16
OTS-63-31803	N63-22366	23-16
OTS-63-31812	N63-22103	22-18
OTS-63-31813	N63-22104	22-16
OTS-63-31815	N63-22588	23-16
OTS-63-31817	N63-22658	23-16
OTS-63-31821	N63-23291	24-16
OTS-63-31826	N63-22105	22-09
OTS-63-31833	N63-22106	22-16
OTS-63-31837	N63-22107	22-06
OTS-63-31838	N63-23328	24-21
OTS-63-31839	N63-22108	22-23
OTS-63-31840	N63-22109	22-18
OTS-63-31842	N63-22573	23-16
OTS-63-31847	N63-22175	23-08
OTS-63-31858	N63-22659	23-12
OTS-63-31860	N63-22589	23-12
OTS-63-31862	N63-23005	24-16
OTS-63-31865	N63-22660	23-14
OTS-63-31885	N63-22965	23-08
OTS-63-31903	N63-22928	23-14
OTS-63-31910	N63-23605	24-11
OTS-63-31915	N63-22906	23-18
OTS-63-31919	N63-23547	24-01
OTS-63-31935	N63-22966	23-18
OTS-63-31941	N63-23721	24-16
OTS-63-31943	N63-23139	24-18
OTS-63-31952	N63-22932	23-16
OTS-63-31959	N63-23140	24-12
OTS-63-31961	N63-23604	24-21
OTS-63-31971	N63-23141	24-07
OTS-63-31974	N63-22905	23-14
OTS-63-31978	N63-23142	24-12
OTS-63-31983	N63-23354	24-18
OTS-63-31987	N63-23606	24-09
OTS-63-41009	N63-23607	24-16
OTS-63-41037	N63-23695	24-12
OTS-63-41045	N63-23608	24-18
OTS-63-41046	N63-23696	24-21
OTS-63-41052	N63-23492	24-16
OTS-63-41058	N63-23772	24-21
OTS-51084	N63-15951	13-18

P-2/168	N63-12378	06-16
P-62-20	N63-10866	02-15
P-62-27	N63-15893	13-26
P-63-13	N63-20547	20-26
P-372-R	N63-19983	19-08
P-2639	N63-19314	18-29
P-2640	N63-19338	18-29
P-2691	N63-16171	13-32
P-2761	N63-19147	18-12
PA-TM-147-62	N63-18642	17-23
PA-TM-1001	N63-10087	01-26
PA-TM-1017	N63-11610	04-15
PA-TM-1060	N63-14470	10-07
PA-TM-1101	N63-14647	10-26
PA-TM-1113	N63-14814	11-07
PA-TM-1119	N63-12425	06-13
PA-TM-1167	N63-15519	12-07
PA-TM-1170	N63-15899	13-17
PA-TM-1186	N63-16521	14-07
PA-TM-1206	N63-22394	23-34
PA-TM-1217	N63-19914	19-07
PA-TM-1228	N63-19345	18-26
PA-TM-1250	N63-22977	23-19
PA-TR-3008	N63-12426	06-07
PA-TR-3013	N63-10425	01-26
PA-TR-3019	N63-12605	06-26
PA-TR-3045	N63-19954	19-23
PA-TR-3046	N63-15622	12-07
PA-TR-3055	N63-15950	13-07
PA-TR-3070	N63-17628	16-23
PA-TR-3078	N63-20394	20-07
PA-TR-3089	N63-23115	24-07
PA-TR-3102	N63-22216	23-25
PAD-72	N63-23705	24-08
PB-151399-7	N63-11357	03-12
PB-151399-13	N63-11358	03-12
PB-161638	N63-14810	11-19
PB-161643	N63-19022	18-12
PB-161645	N63-12695	06-23
PCE-R-9854A	N63-15696	12-08
PCTR-4577	N63-21011	21-18
PCTR-4594	N63-21012	21-13
PEPR-1	N63-16469	14-15
PF-62-15	N63-11919	04-17
PF-63-3	N63-14743	11-17
PF-63-9	N63-22096	22-18
PIBAL-325	N63-16892	14-11
PIBAL-437	N63-16891	14-13
PIBAL-460	N63-21374	22-13
PIBAL-469	N63-16943	14-11
PIBAL-527	N63-19999	19-13
PIBAL-612	N63-16890	14-13
PIBAL-641	N63-11318	03-11
PIBAL-658	N63-13430	08-33
PIBAL-660	N63-11187	03-26
PIBAL-662	N63-19007	18-13
PIBAL-663	N63-15968	13-33
PIBAL-665	N63-20475	20-13
PIBAL-668	N63-22027	22-33
PIBAL-669	N63-22086	22-11
PIBAL-670	N63-22447	23-13
PIBAL-672	N63-23428	24-33
PIBAL-713	N63-11164	03-26
PIBAL-753	N63-10760	02-24
PIBAL-756	N63-15963	13-11
PIBAL-765	N63-15059	11-11
PIBAL-771	N63-20594	20-11
PIBAL-772	N63-15686	12-26
PIBAL-773	N63-12132	05-11
PIBAL-787	N63-23183	24-11
PIBAL-797	N63-23510	24-13
PIBMRI-108-62	N63-13645	08-23
PIBMRI-109-62	N63-18252	17-09
PIBMRI-977-61	N63-15105	11-24
PIBMRI-991-62	N63-21243	21-09
PIBMRI-996-62	N63-11633	04-09
PIBMRI-998-62	N63-21225	21-09
PIBMRI-1006-62	N63-11634	04-09
PIBMRI-1013-62	N63-10954	02-15
PIBMRI-1016-62	N63-10675	02-09
PIBMRI-1018-62	N63-20961	21-0[illegible]
PIBMRI-1025-62	N63-14774	11-2[illegible]
PIBMRI-1040-62	N63-12322	05-0[illegible]
PIBMRI-1041-62	N63-11913	04-[illegible]
PIBMRI-1043-62	N63-12642	06-[illegible]
PIBMRI-1048-62	N63-14850	11-0[illegible]
PIBMRI-1051-62	N63-11914	04-[illegible]
PIBMRI-1052-62	N63-11885	04-0[illegible]
PIBMRI-1056-62	N63-22135	22-[illegible]
PIBMRI-1071-62	N63-12700	06-[illegible]
PIBMRI-1075-62	N63-12070	05-[illegible]
PIBMRI-1076-62	N63-15175	11-[illegible]
PIBMRI-1077-62	N63-12697	06-0[illegible]
PIBMRI-1078-62	N63-13159	07-[illegible]
PIBMRI-1079-62	N63-16535	14-[illegible]
PIBMRI-1081-62	N63-13771	08-2[illegible]
PIBMRI-1084-62	N63-12323	05-0[illegible]
PIBMRI-1085-62	N63-11297	03-0[illegible]
PIBMRI-1087-62	N63-14228	09-2[illegible]
PIBMRI-1090-62	N63-21383	22-0[illegible]
PIBMRI-1092-62	N63-19972	19-0[illegible]
PIBMRI-1095-62	N63-11320	03-0[illegible]
PIBMRI-1101-62	N63-16832	14-0[illegible]
PIBMRI-1102-62	N63-13928	09-0[illegible]
PIBMRI-1103-62	N63-12131	05-0[illegible]
PIBMRI-1104-62	N63-15818	13-0[illegible]
PIBMRI-1108-62	N63-14377	10-2[illegible]
PIBMRI-1113-63	N63-16457	14-2[illegible]
PIBMRI-1119-63	N63-14501	10-0[illegible]
PIBMRI-1128-63	N63-15437	12-0[illegible]
PIBMRI-1130-63	N63-21404	22-2[illegible]
PIBMRI-1131-63	N63-16592	14-2[illegible]
PIBMRI-1137-63	N63-15190	11-2[illegible]
PIBMRI-1143-63	N63-22867	23-0[illegible]
PIBMRI-1144-63	N63-18299	17-0[illegible]
PIBMRI-1147-63	N63-22324	23-0[illegible]
PIBMRI-1148-63	N63-16962	14-0[illegible]
PIBMRI-1149-63	N63-16510	14-0[illegible]
PIBMRI-1151-63	N63-17333	15-2[illegible]
PIBMRI-1151-63/A	N63-22984	23-0[illegible]
PIBMRI-1154-63	N63-20418	20-2[illegible]
PIBMRI-1156-63	N63-21052	21-2[illegible]
PIBMRI-1158-63	N63-17688	16-2[illegible]
PIBMRI-1167-63	N63-19151	18-2[illegible]
PIBMRI-1174-63	N63-19504	19-0[illegible]
PIBMRI-1175-63	N63-23578	24-0[illegible]
PIR-5753-1437	N63-21818	22-1[illegible]
PIR-7250-26	N63-15800	13-2[illegible]
PIR-7250-26A	N63-15800	13-2[illegible]
PLASMA RES. LAB. TECH. REPT.7	N63-16886	14-1[illegible]
PLASTEC-3	N63-15655	12-1[illegible]
PLASTEC-5	N63-10163	01-1[illegible]
PLASTEC-6	N63-20595	20-1[illegible]
PLASTEC-12	N63-10170	01-1[illegible]
PLR-117	N63-18629	17-3[illegible]
PLR-119	N63-18630	17-24
PMR-MP-60-7	N63-15884	13-1[illegible]
PMR-TM-61-12	N63-12810	06-0[illegible]
PMR-TM-61-19	N63-12811	06-0[illegible]
PMR-TM-63-3	N63-14958	11-2[illegible]
PNE-104F	N63-19709	19-23
PNE-111F	N63-14620	10-12
PNE-112F, PT. I	N63-18907	18-33
PNE-114F	N63-15381	12-23
PNE-128F	N63-11928	04-23
PNE-200F	N63-16270	13-21
PNE-202F	N63-20917	21-23
PNE-205F	N63-15458	12-01
PNE-213F	N63-16202	13-12
PNE-217F	N63-20065	20-12
PNE-225P	N63-17723	16-07
PNE-235F	N63-16203	13-12
PNE-304	N63-23569	24-21
POULTER LABS. TR-002-63	N63-19134	18-29
POULTER LABS.-TR-001-63	N63-19457	19-33
PP-T-9672-1	N63-18087	16-1[illegible]
PP-T-9672-2	N63-22349	23-0[illegible]
PPAD-459-F	N63-12459	06-23
PPL-TR-62-2	N63-10996	02-2[illegible]

PPL-TR-62-16	N63-23777	24-24
PR-9	N63-18201	16-11
PR-39	N63-12043	05-05
PR-103-P	N63-15520	12-11
PR-104-P	N63-17512	16-11
PR-105-P	N63-17539	16-11
PR-P-57	N63-20280	20-23
PRC-R-266	N63-22053	22-32
PRL-TDR-63-3	N63-16123	13-14
PSI-3000-43-Q-3	N63-21391	22-18
PSR-13/1	N63-15221	11-20
PST-501	N63-14638	10-23
PSU-9-P	N63-12767	06-11
PSU-10-P	N63-13919	09-07
PSU-SR-190	N63-17624	16-12
PWA-2050	N63-16116	13-18
PWA-2081	N63-22142	22-06
PWA-2087	N63-11439	03-27
PWA-2088	N63-11697	04-19
PWA-2106	N63-11988	05-27
PWA-2125	N63-19442	19-24
PWA-2133	N63-21244	21-24
PWA-2156	N63-18144	16-17
PWA-2163	N63-18320	17-17
PWA-2170	N63-21245	21-24
PWA-2213	N63-23003	24-18
PWA-2255	N63-22882	23-18
PWAC-378	N63-13092	07-07
PWAC-393	N63-16167	13-07
PWAC-397	N63-21667	22-23
Q445-2	N63-22631	23-19
Q445-3	N63-22632	23-09
Q445-4	N63-22633	23-09
Q-B1933-5	N63-16795	14-18
Q-B1973-1	N63-13054	07-18
Q-B1973-2	N63-13529	08-17
Q-B2028-2	N63-18411	17-18
Q-B2089-1	N63-17482	16-07
Q-B2089-2	N63-20583	20-18
QE/C-62-513	N63-11890	04-10
QR-7414-7	N63-16870	14-26
R-8	N63-20501	20-11
R-30	N63-18372	17-34
R-31	N63-20517	20-11
R-37	N63-19378	18-29
R-41	N63-22139	22-02
R-44	N63-22140	22-13
R-45	N63-20036	19-20
R-46	N63-16790	14-24
R-48	N63-16839	14-29
R-51	N63-20440	20-24
R-52	N63-23062	24-24
R-53	N63-20041	19-23
R-54	N63-20037	19-20
R-59	N63-22562	23-20
R-60	N63-21425	22-05
R-61	N63-21914	22-27
R-62-22	N63-12775	06-02
R-62-36	N63-14833	11-33
R-63-4	N63-14742	11-33
R-63-8, PT. I	N63-17655	16-28
R-63-8, PT. II	N63-19183	18-28
R-65	N63-22563	23-30
R-66	N63-22879	23-11
R-68	N63-20950	21-25
R-71	N63-23424	24-02
R-141	N63-14802	11-20
R-143	N63-14554	10-09
R-143-PR	N63-17664	16-05
R-145	N63-14555	10-06
R-146	N63-18304	17-22
R-151	N63-10080	01-09
R-153	N63-10081	01-09
R-154	N63-10550	01-20
R-155	N63-11744	04-09
R-156	N63-10551	01-15
R-157	N63-12934	07-09
R-158	N63-11745	04-09
R-159	N63-15500	12-20
R-160	N63-13814	09-20
R-161	N63-15745	12-25
R-162	N63-17091	15-20
R-163	N63-17090	15-20
R-165	N63-18303	17-15
R-167	N63-16869	14-23
R-170	N63-19366	18-25
R-171	N63-19348	18-24
R-195	N63-16049	13-23
R-201	N63-17138	15-17
R-219	N63-21553	22-04
R-226	N63-17136	15-23
R-229	N63-17169	15-19
R-271	N63-17135	15-11
R-274	N63-17149	15-15
R-275	N63-10473	01-33
R-276	N63-17158	15-11
R-276, VOL. I	N63-14367	10-04
R-276, VOL. II	N63-14366	10-04
R-296	N63-19171	18-17
R-334-20	N63-11831	04-07
R-367	N63-12776	06-15
R-368	N63-16154	13-17
R-374-PR	N63-15245	12-20
R-375-PR	N63-10598	02-20
R-398	N63-18812	18-15
R-403-PR	N63-16406	14-11
R-407	N63-23106	24-09
R-410-PR	N63-14862	11-23
R-415-NASA	N63-13030	07-32
R-421	N63-22880	23-29
R-452-22-62	N63-11687	04-01
R-452.23-63	N63-17522	16-01
R-898	N63-19513	19-22
R-958	N63-21266	21-04
R-971	N63-21281	21-02
R-982	N63-23787	24-04
R-1624-5	N63-22245	23-03
R-1652	N63-10154	01-18
R-1671	N63-21290	21-26
R-1675	N63-22082	22-26
R-1678	N63-19438	19-18
R-2267-8	N63-12123	05-26
R-2850AS	N63-11759	04-27
R-3350-3	N63-12944	07-18
R-3498	N63-12069	05-19
R-3556	N63-11569	04-26
R-3703-2	N63-10144	01-17
R-3703-3	N63-12324	05-27
R-3853-3	N63-19139	18-13
R-3911	N63-10947	02-17
R-3999	N63-20244	20-13
R-5077	N63-15917	13-07
R-5135	N63-15902	13-14
R-5179	N63-16188	13-26
R-5273	N63-19097	18-33
R61SD105	N63-22871	23-11
R61SD145	N63-13464	08-13
R62SD14	N63-12124	05-24
R62SD16 - CLASS I	N63-11981	05-11
R62SD47	N63-15026	11-24
R62SD57	N63-11794	04-19
R62SD72	N63-10515	01-13
R62SD76	N63-20779	21-11
R62SD78	N63-12826	06-06
R62SD79	N63-11795	04-11
R62SD81	N63-12799	06-07
R62SD86	N63-10511	01-13
R62SD94	N63-16588	14-24
R62SD96	N63-10970	02-02
R62SD97	N63-10788	02-11
R62SD153	N63-16353	14-29
R62SD985-CLASS I	N63-11500	03-11
R62SD987	N63-12126	05-13
R62SD989	N63-13465	08-11
R62SD990	N63-12800	06-24
R62SD991	N63-12089	05-24
R62XP-4	N63-20726	21-09
R63-44	N63-23704	24-23
R63ELC10	N63-19667	19-08
R63ELS-6	N63-17500	16-08
R63ELS-9	N63-18905	18-09
R63FL9	N63-23432	24-19
R63FPD146	N63-18837	18-33
R63SD3	N63-17602	16-23

R63SD4	N63-12681	06-24
R63SD5	N63-12682	06-24
R63SD6	N63-17076	15-18
R63SD12	N63-17176	15-20
R63SD13	N63-15183	11-02
R63SD16	N63-13559	08-24
R63SD17	N63-20991	21-11
R63SD20	N63-16184	13-13
R63SD23	N63-18639	17-11
R63SD27	N63-15194	11-24
R63SD30	N63-17766	16-29
R63SD34	N63-22079	22-12
R63SD35	N63-19020	18-13
R63SD37	N63-19021	18-09
R63SD40	N63-19949	19-13
R63SD43	N63-17765	16-24
R63SD46	N63-19594	19-13
R63SD60	N63-19365	18-24
R63SD61	N63-21821	22-18
R63SD62	N63-21314	21-24
R63SD63	N63-21237	21-11
R63SD66	N63-23573	24-11
R63SD76	N63-22080	22-19
R63SD78	N63-22419	23-24
R63SD79	N63-22420	23-11
R-RD-1539-TR1	N63-17425	15-01
RA1-308	N63-18164	16-19
RAC-406-3	N63-19942	19-34
RAC-442-1/ARD-823-2/	N63-10091	01-34
RAC-509	N63-13077	07-17
RAC-882A	N63-20008	19-11
RAC-964	N63-10996	02-27
RAC-970-A	N63-19300	18-19
RAC-973	N63-13555	08-34
RAC-1012	N63-13051	07-04
RAC-1032	N63-13556	08-18
RAC-1045	N63-12156	05-17
RAC-1047	N63-13558	08-06
RAC-1054	N63-13557	08-24
RAC-1061	N63-20123	20-18
RAC-1147	N63-13745	08-33
RAC-1155	N63-13746	08-12
RAC-1160	N63-16938	14-34
RAC-1163	N63-13747	08-12
RAC-1168	N63-13748	08-12
RAC-1256	N63-15463	12-18
RAC-1433	N63-22870	23-18
RAC-1645	N63-20760	21-29
RAC-1686	N63-22485	23-33
RAC-CP-638	N63-16169	13-04
RAC-TP-72	N63-13139	07-01
RAD-865A	N63-23777	24-24
RAD-SR-62-219	N63-16176	13-18
RAD-SR-63-29	N63-16177	13-18
RAD-SR-63-159	N63-20017	19-09
RAD-TM-62-20, PT. 1	N63-10746	02-30
RAD-TM-62-79	N63-16025	13-11
RAD-TM-62-88	N63-10189	01-12
RAD-TM-63-7	N63-16525	14-13
RAD-TM-63-14	N63-19186	18-27
RAD-TM-63-33	N63-17180	15-11
RAD-TM-63-40	N63-17899	16-13
RAD-TR-62-58	N63-12795	06-28
RAD-TR-62-64	N63-11859	04-12
RAD-TR-63-7	N63-16475	14-10
RAD-TR-63-9	N63-15439	12-25
RAD-TR-63-13	N63-15669	12-08
RAD-TR-63-15	N63-15861	13-08
RAD-TR-63-26	N63-20064	20-23
RAD-TR-63-32	N63-19966	19-19
RADC-RAL-TM-63-7	N63-19622	19-09
RADC-RAL-TM-63-8	N63-18376	17-09
RADC-RAL-TM-63-9	N63-18377	17-09
RADC-RAL-TM-63-11	N63-22223	23-08
RADC-RAS-TM-63-3	N63-16973	14-17
RADC-RAS-TM-63-4	N63-20731	21-09
RADC-RAS-TM-63-5	N63-23661	24-09
RADC-RAS-TM-63-6	N63-23740	24-09
RADC-RAU-TM-63-2	N63-20749	21-0[illegible]
RADC-RAU-TM-63-3	N63-22516	23-0[illegible]
RADC-RAU-TM-63-5	N63-22517	23-2[illegible]
RADC-RAU-TM-63-6	N63-23001	24-2[illegible]
RADC-RAW-TM-63-6	N63-18378	17-2[illegible]
RADC-TDR-62-191	N63-21225	21-0[illegible]
RADC-TDR-62-221	N63-16330	13-0[illegible]
RADC-TDR-62-234	N63-20961	21-0[illegible]
RADC-TDR-62-260	N63-16920	14-2[illegible]
RADC-TDR-62-281	N63-20015	19-0[illegible]
RADC-TDR-62-284	N63-14774	11-2[illegible]
RADC-TDR-62-296	N63-21243	21-0[illegible]
RADC-TDR-62-334	N63-23778	24-0[illegible]
RADC-TDR-62-363	N63-12714	06-0[illegible]
RADC-TDR-62-391	N63-10464	01-0[illegible]
RADC-TDR-62-420	N63-10512	01-1[illegible]
RADC-TDR-62-433	N63-15026	11-2[illegible]
RADC-TDR-62-442	N63-11356	03-2[illegible]
RADC-TDR-62-443	N63-10902	02-0[illegible]
RADC-TDR-62-446	N63-14604	10-1[illegible]
RADC-TDR-62-449	N63-10463	01-2[illegible]
RADC-TDR-62-464, VOL. I	N63-21245	21-24
RADC-TDR-62-464, VOL. V	N63-21244	21-24
RADC-TDR-62-464, VOL. VI	N63-21288	21-24
RADC-TDR-62-470	N63-15097	11-09
RADC-TDR-62-473	N63-10552	01-12
RADC-TDR-62-489	N63-14089	09-24
RADC-TDR-62-497	N63-13232	07-09
RADC-TDR-62-498	N63-16944	14-09
RADC-TDR-62-499	N63-17711	16-20
RADC-TDR-62-521	N63-14198	09-08
RADC-TDR-62-528	N63-10556	01-23
RADC-TDR-62-529	N63-10569	01-23
RADC-TDR-62-530	N63-10572	01-23
RADC-TDR-62-531, VOL. 1	N63-10570	01-23
RADC-TDR-62-531, VOL. II	N63-10571	01-23
RADC-TDR-62-547	N63-13705	08-09
RADC-TDR-62-553	N63-18676	17-19
RADC-TDR-62-554	N63-11410	03-08
RADC-TDR-62-585	N63-12787	06-1[illegible]
RADC-TDR-62-586	N63-16437	14-08
RADC-TDR-62-600	N63-13008	07-15
RADC-TDR-62-601	N63-15829	13-25
RADC-TDR-62-604	N63-14849	11-16
RADC-TDR-62-606	N63-11989	05-23
RADC-TDR-62-607	N63-13157	07-09
RADC-TDR-62-612	N63-17425	15-01
RADC-TDR-62-615	N63-23118	24-09
RADC-TDR-62-616	N63-15095	11-24
RADC-TDR-63-1, VOL. I	N63-16069	13-09
RADC-TDR-63-1, VOL. II	N63-16016	13-09
RADC-TDR-63-4	N63-13147	07-09
RADC-TDR-63-7	N63-15098	11-08
RADC-TDR-63-8	N63-14001	09-20
RADC-TDR-63-15	N63-15038	11-23
RADC-TDR-63-16	N63-23109	24-09
RADC-TDR-63-17	N63-12954	07-09
RADC-TDR-63-18	N63-13817	09-24
RADC-TDR-63-29	N63-18189	16-15
RADC-TDR-63-30	N63-16106	13-25
RADC-TDR-63-40	N63-14850	11-08
RADC-TDR-63-41	N63-18252	17-09
RADC-TDR-63-51	N63-19346	18-08
RADC-TDR-63-58	N63-22978	23-08
RADC-TDR-63-67	N63-16554	14-08
RADC-TDR-63-82	N63-15714	12-25
RADC-TDR-63-83	N63-15683	12-09
RADC-TDR-63-84	N63-15062	11-08
RADC-TDR-63-87	N63-15327	12-20
RADC-TDR-63-88	N63-15336	12-25
RADC-TDR-63-90	N63-15657	12-08
RADC-TDR-63-99	N63-14843	11-23
RADC-TDR-63-108	N63-21116	21-09
RADC-TDR-63-111	N63-15696	12-08
RADC-TDR-63-112	N63-15669	12-08
RADC-TDR-63-123	N63-14494	10-08
RADC-TDR-63-124	N63-16919	14-08
RADC-TDR-63-125	N63-20016	19-16
RADC-TDR-63-128	N63-17627	16-09
RADC-TDR-63-135	N63-16436	14-24
RADC-TDR-63-136	N63-17118	15-20
RADC-TDR-63-137	N63-20989	21-09
RADC-TDR-63-138	N63-15921	13-24
RADC-TDR-63-141	N63-14504	10-25
RADC-TDR-63-142	N63-16789	14-08
RADC-TDR-63-146	N63-17421	15-09
RADC-TDR-63-147	N63-17933	16-08
RADC-TDR-63-149	N63-17116	15-25

RADC-TDR-63-152 ..... N63-18640 17-09
RADC-TDR-63-160 ..... N63-20018 19-20
RADC-TDR-63-166 ..... N63-16546 14-22
RADC-TDR-63-170 ..... N63-18191 16-08
RADC-TDR-63-172 ..... N63-18628 17-09
RADC-TDR-63-177 ..... N63-17897 16-08
RADC-TDR-63-179 ..... N63-21227 21-08
RADC-TDR-63-181 ..... N63-16401 14-20
RADC-TDR-63-184 ..... N63-18635 17-01
RADC-TDR-63-185 ..... N63-21632 22-23
RADC-TDR-63-189 ..... N63-21239 21-09
RADC-TDR-63-192 ..... N63-18647 17-08
RADC-TDR-63-194 ..... N63-17419 [illegible]-09
RADC-TDR-63-201 ..... N63-18151 16-23
RADC-TDR-63-202 ..... N63-20828 21-06
RADC-TDR-63-207 ..... N63-17929 16-08
RADC-TDR-63-208 ..... N63-20418 20-24
RADC-TDR-63-210 ..... N63-20967 21-24
RADC-TDR-63-214 ..... N63-19533 19-13
RADC-TDR-63-219 ..... N63-19140 18-23
RADC-TDR-63-221 ..... N63-18646 17-09
RADC-TDR-63-222 ..... N63-19630 19-09
RADC-TDR-63-225 ..... N63-18674 17-09
RADC-TDR-63-226 ..... N63-19465 19-25
RADC-TDR-63-228 ..... N63-18170 16-09
RADC-TDR-63-234 ..... N63-20013 19-09
RADC-TDR-63-236 ..... N63-20301 20-23
RADC-TDR-63-238 ..... N63-19329 18-25
RADC-TDR-63-240 ..... N63-22404 23-24
RADC-TDR-63-241 ..... N63-20791 21-09
RADC-TDR-63-242 ..... N63-19534 19-13
RADC-TDR-63-252 ..... N63-19664 19-09
RADC-TDR-63-253 ..... N63-18625 17-09
RADC-TDR-63-255 ..... N63-19778 19-08
RADC-TDR-63-256 ..... N63-19779 19-08
RADC-TDR-63-257 ..... N63-18053 16-08
RADC-TDR-63-258 ..... N63-22065 22-23
RADC-TDR-63-265 ..... N63-18785 18-09
RADC-TDR-63-267 ..... N63-22066 22-24
RADC-TDR-63-269 ..... N63-20308 20-19
RADC-TDR-63-270 ..... N63-20503 20-08
RADC-TDR-63-273 ..... N63-20795 21-09
RADC-TDR-63-278 ..... N63-19927 19-08
RADC-TDR-63-283 ..... N63-20115 20-09
RADC-TDR-63-284 ..... N63-20827 21-23
RADC-TDR-63-287 ..... N63-21677 22-09
RADC-TDR-63-288 ..... N63-19928 19-24
RADC-TDR-63-291 ..... N63-19668 19-09
RADC-TDR-63-294 ..... N63-22867 23-09
RADC-TDR-63-297 ..... N63-22067 22-09
RADC-TDR-63-298 ..... N63-22068 22-09
RADC-TDR-63-300, VOL. I N63-21551 22-06
RADC-TDR-63-300, VOL. II N63-21550 22-06
RADC-TDR-63-301 ..... N63-21458 22-20
RADC-TDR-63-302 ..... N63-20411 20-08
RADC-TDR-63-306 ..... N63-21230 21-09
RADC-TDR-63-307 ..... N63-19881 19-20
RADC-TDR-63-312 ..... N63-20012 19-34
RADC-TDR-63-314 ..... N63-20801 21-08
RADC-TDR-63-315 ..... N63-18091 16-09
RADC-TDR-63-316 ..... N63-21791 22-06
RADC-TDR-63-317 ..... N63-22069 22-09
RADC-TDR-63-320 ..... N63-22872 23-20
RADC-TDR-63-325 ..... N63-22121 22-09
RADC-TDR-63-326 ..... N63-22547 23-09
RADC-TDR-63-327 ..... N63-21016 21-09
RADC-TDR-63-328 ..... N63-21676 22-09
RADC-TDR-63-329 ..... N63-21819 22-09
RADC-TDR-63-330 ..... N63-22119 22-09
RADC-TDR-63-333 ..... N63-18649 17-09
RADC-TDR-63-336 ..... N63-21556 22-24
RADC-TDR-63-338 ..... N63-21798 22-09
RADC-TDR-63-345 ..... N63-21238 21-09
RADC-TDR-63-347 ..... N63-22681 23-10
RADC-TDR-63-349 ..... N63-21262 21-09
RADC-TDR-63-350 ..... N63-22821 23-09
RADC-TDR-63-355 ..... N63-21675 22-08
RADC-TDR-63-358 ..... N63-22405 23-08
RADC-TDR-63-365 ..... N63-22406 23-09
RADC-TDR-63-368 ..... N63-22448 23-24
RADC-TDR-63-378 ..... N63-23579 24-20
RADC-TDR-63-380 ..... N63-23647 24-08
RADC-TDR-63-387 ..... N63-23131 24-08
RADC-TDR-63-394 ..... N63-22131 22-09
RADC-TDR-63-399 ..... N63-22429 23-09

RADC-TR-62-464, VOL. IV N63-19442 19-24

RAE-AERO-2584 ..... N63-13856 09-11
RAE-AERO-2605 ..... N63-11902 04-02

RAE-AERO-2617 ..... N63-20047 19-04
RAE-AERO-2646 ..... N63-15743 12-03
RAE-AERO-2659 ..... N63-22388 23-27

RAE-R-AERO-2655 ..... N63-18064 16-03

RAE-R-SPACE-1 ..... N63-20838 21-32

RAE-R-STRUCT-261 ..... N63-22215 23-33

RAE-R-STRUCT-262 ..... N63-11903 04-03
RAE-R-STRUCT-263 ..... N63-15744 12-03
RAE-R-STRUCT-264 ..... N63-16415 14-03
RAE-R-STRUCT-267 ..... N63-17198 15-33
RAE-R-STRUCT-272 ..... N63-13967 09-33

RAE-R-STRUCT-278 ..... N63-22211 23-33

RAE-TM-AERO-754 ..... N63-21299 21-02

RAE-TM-SPACE-16 ..... N63-20504 20-28
RAE-TM-SPACE-19 ..... N63-22213 23-17

RAE-TN-AERO-2520 ..... N63-17121 15-04
RAE-TN-AERO-2707 ..... N63-12093 05-02
RAE-TN-AERO-2739 ..... N63-13849 09-02
RAE-TN-AERO-2752 ..... N63-22051 22-03
RAE-TN-AERO-2762 ..... N63-22854 23-11
RAE-TN-AERO-2766 ..... N63-12093 05-02
RAE-TN-AERO-2778 ..... N63-16882 14-04
RAE-TN-AERO-2782 ..... N63-13541 08-03
RAE-TN-AERO-2786 ..... N63-13848 09-11
RAE-TN-AERO-2793 ..... N63-13850 09-02
RAE-TN-AERO-2798 ..... N63-21295 21-02
RAE-TN-AERO-2829 ..... N63-21836 22-02
RAE-TN-AERO-2833 ..... N63-21799 22-02
RAE-TN-AERO-2894 ..... N63-23747 24-10

RAE-TN-IAP-1079 ..... N63-15833 13-04

RAE-TN-MECH-ENG-357 ..... N63-23744 24-02

RAE-TN-SPACE-17 ..... N63-21162 21-06
RAE-TN-SPACE-23 ..... N63-15734 12-32
RAE-TN-SPACE-32 ..... N63-20747 21-12
RAE-TN-SPACE-33 ..... N63-19869 19-09
RAE-TN-SPACE-35 ..... N63-20339 20-29
RAE-TN-SPACE-38 ..... N63-22205 23-29
RAE-TN-SPACE-39 ..... N63-22206 23-32

RAE-TN-STRUCT-270, ADDEND. ... N63-22207 23-18
RAE-TN-STRUCT-305 ..... N63-22210 23-18
RAE-TN-STRUCT-308 ..... N63-21837 22-33
RAE-TN-STRUCT-309 ..... N63-10139 01-02
RAE-TN-STRUCT-313 ..... N63-16169 13-04
RAE-TN-STRUCT-318 ..... N63-22209 23-33
RAE-TN-STRUCT-325 ..... N63-22212 23-04

RAE-TRANS-964 ..... N63-17075 15-03
RAE-TRANS-965 ..... N63-17075 15-03
RAE-TRANS-996 ..... N63-12112 05-33
RAE-TRANS-998 ..... N63-11917 04-08
RAE-TRANS-1001 ..... N63-16851 14-09
RAE-TRANS-1011 ..... N63-10467 01-16
RAE-TRANS-1012 ..... N63-11404 03-11
RAE-TRANS-1013 ..... N63-13724 08-03
RAE-TRANS-1015 ..... N63-12029 05-29
RAE-TRANS-1016 ..... N63-12030 05-29
RAE-TRANS-1017 ..... N63-13130 07-01
RAE-TRANS-1018 ..... N63-13725 08-21
RAE-TRANS-1019 ..... N63-13952 09-29
RAE-TRANS-1020 ..... N63-13702 08-03
RAE-TRANS-1021 ..... N63-13690 08-07
RAE-TRANS-1022 ..... N63-14335 10-33
RAE-TRANS-1023 ..... N63-13953 09-12
RAE-TRANS-1024 ..... N63-15435 12-29
RAE-TRANS-1025 ..... N63-14336 10-08
RAE-TRANS-1026 ..... N63-14356 10-29
RAE-TRANS-1027 ..... N63-16024 13-32
RAE-TRANS-1028 ..... N63-17025 15-07
RAE-TRANS-1029 ..... N63-15554 12-32
RAE-TRANS-1030 ..... N63-15555 12-07
RAE-TRANS-1031 ..... N63-18355 17-11
RAE-TRANS-1034 ..... N63-18100 16-32
RAE-TRANS-1036 ..... N63-19141 18-07
RAE-TRANS-1037 ..... N63-20995 21-25
RAE-TRANS-1042 ..... N63-23000 23-08

RAI-303 ..... N63-17187 15-07
RAI-314 ..... N63-14852 11-26

RAI-318	N63-19941	19-07
RAI-320	N63-17546	16-07
RAL-RR-186	N63-10666	02-02
RAL-RR-189	N63-16957	14-13
RAL-RR-190	N63-11861	04-02
RAL-TM-63-1	N63-14770	11-08
RAL-TM-63-2	N63-13436	08-29
RAL-TM-63-4	N63-13797	09-08
RAL-TM-63-5	N63-15385	12-09
RAS-TM-62-2	N63-20279	20-01
RAS-TM-62-6	N63-10946	02-13
RAS-TM-63-2	N63-16788	14-17
RAW-TM-63-2	N63-13204	07-20
RBESO-3404-3	N63-20369	20-17
RC-928	N63-23173	24-23
RC-S-63-1	N63-20789	21-17
RCA-AED-R-1875	N63-20239	20-06
RD-63-105	N63-13655	08-17
RD-343-Q1	N63-19886	19-19
RDR-1266-6	N63-10112	01-19
RDR-1266-7	N63-15362	12-19
RDR-1322-1	N63-10792	02-18
RDR-1343-1	N63-15481	12-19
RDR-1343-2	N63-19629	19-19
RDR-1343-3	N63-20665	20-19
RDR-1343-4	N63-23621	24-19
RE-162	N63-15725	12-10
RE-163	N63-17671	16-33
RE-164	N63-16361	14-20
RE-165	N63-20615	20-33
RE-TR-62-6	N63-16448	14-08
RE-TR-62-9	N63-19598	19-11
RE-TR-63-1	N63-13154	07-08
RE-TR-63-2	N63-14088	09-08
RE-TR-63-3	N63-21445	22-22
RE-TR-63-7	N63-22604	23-09
REIC-7	N63-22634	23-23
REIC-7/ADDEND. 1/	N63-22634	23-23
REIC-11	N63-22634	23-23
REIC-16	N63-22634	23-23
REIC-25	N63-15866	13-15
REIC-26	N63-14566	10-09
REIC-27	N63-20518	20-19
REIC-28	N63-19714	19-23
REIC-29	N63-22935	23-18
REIC-30	N63-22129	22-23
REIC-31, PT. I	N63-22634	23-23
REIC-31, PT. II	N63-22635	23-23
REIC-32	N63-23779	24-28
REIC-33	N63-22636	23-16
REIC-MEMO-24	N63-17715	16-01
RF-1021-18	N63-21221	21-11
RF-TR-62-12	N63-13626	08-20
RF-TR-63-3	N63-14263	10-20
RF-TR-63-7	N63-15698	12-04
RF-TR-63-13	N63-21684	22-04
RF-TR-63-14	N63-17592	16-02
RF-TR-63-18	N63-22455	23-11
RF-TR-63-19	N63-22933	23-27
RFP-297	N63-13026	07-20
RFP-307	N63-19515	19-18
RFP-326	N63-22276	23-23
RG-TN-63-5	N63-22513	23-09
RG-TR-62-3	N63-16843	14-08
RG-TR-62-5	N63-13230	07-15
RG-TR-62-6	N63-13411	08-04
RG-TR-62-8	N63-12371	06-22
RG-TR-63-1	N63-13413	08-15
RG-TR-63-3	N63-20790	21-03
RG-TR-63-4	N63-12997	07-22
RG-TR-63-5	N63-12957	07-09
RG-TR-63-7	N63-13155	07-22
RG-TR-63-8	N63-13039	07-22
RG-TR-63-13	N63-22456	23-0[illegible]
RG-TR-63-14	N63-23698	24-0[illegible]
RG-TR-63-15	N63-22457	23-1[illegible]
RG-TR-63-16	N63-22458	23-0[illegible]
RG-TR-63-17	N63-22514	23-0[illegible]
RG-TR-63-22	N63-21160	21-1[illegible]
RG-TR-63-27	N63-23617	24-0[illegible]
RIA-62-554	N63-11494	03-0[illegible]
RIA-62-2752	N63-10787	02-1[illegible]
RIA-62-3183	N63-10162	01-1[illegible]
RIA-62-3289	N63-11447	03-1[illegible]
RIA-62-3441	N63-13117	07-1[illegible]
RIA-62-3600	N63-13118	07-1[illegible]
RIA-62-4162	N63-13119	07-0[illegible]
RIA-62-4163	N63-13120	07-0[illegible]
RIA-63-88	N63-14653	10-1[illegible]
RIA-63-313	N63-14652	10-1[illegible]
RIA-63-798	N63-16249	13-1[illegible]
RIA-63-959	N63-15897	13-1[illegible]
RIA-63-1242	N63-17532	16-0[illegible]
RIA-63-1419	N63-18283	17-1[illegible]
RIA-63-1573	N63-19809	19-1[illegible]
RIA-63-1651	N63-19920	19-1[illegible]
RIA-63-1835	N63-17930	16-1[illegible]
RIA-63-1836	N63-19497	19-1[illegible]
RIA-63-2041	N63-22437	23-1[illegible]
RIA-63-2392	N63-22823	23-1[illegible]
RIA-63-2482	N63-22822	23-1[illegible]
RIA-63-2808	N63-23002	24-1[illegible]
RIA-TR-63-1574	N63-19844	19-1[illegible]
RIAS-63-11	N63-19638	19-2[illegible]
RIAS-TR-62-19	N63-21812	22-1[illegible]
RIAS-TR-63-8	N63-17124	15-2[illegible]
RIAS-TR-63-12	N63-19029	18-2[illegible]
RIAS-TR-63-15	N63-20371	20-1[illegible]
RIFP-26	N63-20400	20-2[illegible]
RIFP-29	N63-20972	21-2[illegible]
RK-TR-63-1	N63-12956	07-2[illegible]
RK-TR-63-7	N63-16168	13-2[illegible]
RK-TR-63-15	N63-19000	18-2[illegible]
RK-TR-63-20	N63-22607	23-0[illegible]
RM-62TMP-32	N63-10711	02-2[illegible]
RM-62TMP-42	N63-20733	21-0[illegible]
RM-63TMP-2	N63-17002	15-1[illegible]
RM-63TMP-3	N63-17722	16-1[illegible]
RM-146	N63-16695	14-1[illegible]
RM-205	N63-11314	03-0[illegible]
RM-214	N63-12346	05-1[illegible]
RM-225	N63-23778	24-0[illegible]
RM-2553-PR	N63-17531	16-2[illegible]
RM-2711-JPL	N63-18334	17-2[illegible]
RM-2927-PR	N63-20382	20-2[illegible]
RM-2940-PR	N63-22304	23-2[illegible]
RM-2968-PR	N63-19008	18-1[illegible]
RM-2997-PR	N63-17452	15-2[illegible]
RM-3012-PR	N63-21241	21-2[illegible]
RM-3018-PR	N63-17015	15-1[illegible]
RM-3054-PR	N63-16312	13-2[illegible]
RM-3074-PR	N63-15733	12-0[illegible]
RM-3089-PR	N63-17486	16-2[illegible]
RM-3129-PR	N63-15460	12-2[illegible]
RM-3138-NASA	N63-11428	03-0[illegible]
RM-3140-NASA	N63-12040	05-2[illegible]
RM-3164-PR	N63-17014	15-3[illegible]
RM-3178-PR	N63-13946	09-1[illegible]
RM-3204-PR	N63-15948	13-1[illegible]
RM-3232-PR	N63-19051	18-0[illegible]
RM-3242-PR	N63-19067	18-2[illegible]
RM-3244-PR	N63-19049	18-0[illegible]
RM-3255-NASA	N63-11277	03-2[illegible]
RM-3268-NASA	N63-11051	03-3[illegible]
RM-3269-PR	N63-19070	18-0[illegible]
RM-3270-PR	N63-19024	18-1[illegible]
RM-3275-PR	N63-16551	14-2[illegible]
RM-3279-JPL	N63-11322	03-0[illegible]
RM-3285-1-PR	N63-19280	18-1[illegible]
RM-3326-PR	N63-19053	18-2[illegible]
RM-3333-PR	N63-19054	18-0[illegible]
RM-3347-NASA	N63-10505	01-1[illegible]
RM-3353-NASA	N63-10318	01-2[illegible]
RM-3364-PR	N63-18022	16-2[illegible]

RM-3367-PR	N63-15702	12-20
RM-3376-JPL	N63-13935	09-20
RM-3378-PR	N63-19052	18-20
RM-3388-PR	N63-18384	17-29
RM-3425	N63-18371	17-05
RM-3429-NASA	N63-12699	06-24
RM-3474-PR	N63-19409	19-29
RM-3478	N63-15195	11-08
RM-3497-ARPA	N63-14870	11-11
RM-3514-NASA	N63-23601	24-08
RM-3523-NASA	N63-13990	09-12
RM-3527-NASA	N63-17101	15-24
RM-3529-PR	N63-19789	19-33
RM-3534-PR	N63-19781	19-29
RM-3536-NASA	N63-18409	17-12
RM-3541-PR	N63-15665	12-16
RM-3551-PR	N63-14865	11-20
RM-3554-PR	N63-14331	10-29
RM-3560-PR	N63-14868	11-25
RM-3561-PR	N63-15254	12-08
RM-3564-PR	N63-14378	10-21
RM-3576-NASA	N63-18036	16-08
RM-3579-PR	N63-16997	15-20
RM-3585-PR	N63-15896	13-12
RM-3595-PR	N63-15570	12-32
RM-3596	N63-16518	14-12
RM-3603-ARPA	N63-16519	14-24
RM-3604-PR	N63-20177	20-22
RM-3611-ARPA	N63-17767	16-20
RM-3642-PR	N63-17646	16-12
RM-3646-PR	N63-19931	19-01
RM-3650-PR	N63-21169	21-33
RM-3671-PR	N63-17224	15-24
RM-3677-PR	N63-17399	15-07
RM-3684-NASA	N63-19857	19-12
RM-3687-PR	N63-19509	19-21
RM-3698-PR	N63-18381	17-01
RM-3700-PR	N63-21323	21-32
RM-3707-PR	N63-18261	17-07
RM-3708-PR	N63-19118	18-23
RM-3709-PR	N63-19161	18-23
RM-3726-PR	N63-19050	18-09
RM-3756-PR	N63-20901	21-09
RM-3757-PR	N63-18976	18-08
RM-3759-PR	N63-19402	19-08
RM-3770-NASA	N63-22017	22-08
RM-3778-PR	N63-19347	18-01
RM-3781PR	N63-20750	21-20
RM-3792-PR	N63-20769	21-11
RM-3793-PR	N63-23149	24-29
RM-3839-NASA	N63-21624	22-12
RM-3861-NASA	N63-22030	22-32
RM-3869-PR	N63-23334	24-12
RM-3874-PR	N63-23144	24-09
RM-IC-8147	N63-13037	07-07
RMD-2103-F	N63-14980	11-07
RMD-5009-Q2	N63-12143	05-07
RMD-5009-Q3	N63-13982	09-07
RMD-5502-F	N63-16405	14-26
RMD-5507-F	N63-13249	07-26
RMD-8576-Q1	N63-19886	19-07
RML-3	N63-23042	24-09
RN-153	N63-17673	16-20
RN-154	N63-17665	16-20
ROC/LIN-8Q	N63-15416	12-07
ROC/LIN-70	N63-15843	13-07
ROM-2181-1002	N63-10546	01-14
ROM-3181-1001	N63-15902	13-14
RPA-6-62	N63-16027	13-21
RPE-TN-263	N63-19101	18-26
RPI-61	N63-22809	23-13
RPI-MATH. 60	N63-21034	21-19
RPU-S-9	N63-15044	13-12
RPU-S-10	N63-15869	13-12
RPU-S11	N63-21449	22-12
RPU-S12	N63-22300	23-09
RR-31	N63-18054	16-33
RR-35	N63-14602	10-33
RR-40	N63-22796	23-11
RR-44	N63-22797	23-33
RR-63-2	N63-19170	18-17
RR-63-4	N63-17072	15-17
RR-463-7	N63-20009	19-11
RR-463-8	N63-23495	24-23
RR-463-9	N63-23499	24-23
RR-TN-63-2	N63-21469	22-25
RR-TR-62-7	N63-15400	12-27
RR-TR-63-1	N63-14645	10-25
RR-TR-63-2	N63-19748	19-21
RR-TR-63-7	N63-15719	12-21
RR-TR-63-10	N63-22608	23-23
RR-TR-63-14	N63-22459	23-24
RR-TR-63-18	N63-22934	23-19
RRC-A82	N63-10789	02-12
RRC-A83	N63-13836	09-12
RRC-A84	N63-14817	11-12
RRC-B76	N63-10911	02-12
RRC-B77	N63-10911	02-12
RRC-B80	N63-13837	09-12
RRC-B81	N63-14818	11-12
RRC-B84	N63-20204	20-12
RRS/IM-94	N63-19849	19-12
RS-277	N63-10078	01-19
RS-TM-63-1	N63-20682	20-04
RS-TR-62-4	N63-19850	19-23
RS-TR-62-6	N63-13040	07-30
RS-TR-62-9	N63-13412	08-04
RS-TR-63-8	N63-19877	19-34
RSIC-19	N63-19394	18-23
RSIC-20	N63-19359	18-11
RSIC-21	N63-19316	18-07
RSIC-22	N63-19315	18-11
RSIC-23	N63-19362	18-23
RSIC-24	N63-19393	18-12
RSIC-27	N63-20650	20-26
RSIC-28	N63-21427	22-11
RSIC-29	N63-19896	19-13
RSIC-30	N63-21203	21-19
RSIC-31	N63-19755	19-21
RSIC-32	N63-20266	20-18
RSIC-33	N63-19816	19-11
RSIC-34	N63-19725	19-21
RSIC-35	N63-19731	19-05
RSIC-36	N63-19707	19-21
RSIC-37	N63-19756	19-21
RSIC-38	N63-19721	19-21
RSIC-39	N63-19796	19-21
RSIC-41	N63-22683	23-19
RSIC-42	N63-20423	20-23
RSIC-43	N63-20422	20-23
RSIC-44	N63-20654	20-29
RSIC-45	N63-20666	20-33
RSIC-46	N63-22460	23-23
RSIC-47	N63-20593	20-19
RSIC-48	N63-23508	24-23
RSIC-49	N63-22023	22-19
RSIC-50	N63-21232	21-11
RSIC-51	N63-21228	21-19
RSIC-52	N63-22868	23-23
RSIC-55	N63-22461	23-21
RSIC-56	N63-21686	22-15
RSIC-57	N63-22558	23-15
RSIC-58	N63-22462	23-21
RSIC-59	N63-21685	22-21
RSIC-60	N63-22463	23-23
RSIC-61	N63-21687	22-21
RSIC-64	N63-22869	23-23
RSIC-65	N63-22559	23-23
RSIC-66	N63-22611	23-11
RSIC-67	N63-22612	23-27
RSIC-69	N63-23150	24-33
RSIC-71	N63-23351	24-18
RSIC-77	N63-23789	24-07
RSIC-78	N63-23716	24-18
RSIC-79	N63-23717	24-23
RSIC-80	N63-23718	24-18
RSIC-81	N63-23509	24-18
RT/CHI/62/13	N63-12447	06-07

RT/EL/62/11	N63-12448	06-15
RT-TR-63-4	N63-22609	23-22
RT-TR-63-6	N63-23699	24-04
RTD-TDR-63-3	N63-13007	07-26
RTD-TDR-63-1023	N63-14619	10-17
RTD-TDR-63-1024	N63-14718	11-26
RTD-TDR-63-1027	N63-22637	23-27
RTD-TDR-63-1033	N63-15735	12-26
RTD-TDR-63-1036	N63-22380	23-02
RTD-TDR-63-1038	N63-22733	23-27
RTD-TDR-63-1047	N63-18991	18-17
RTD-TDR-63-1048	N63-19447	19-27
RTD-TDR-63-1050, VOL. 1	N63-20999	21-29
RTD-TDR-63-1050, VOL. 2	N63-21000	21-12
RTD-TDR-63-1060	N63-23722	24-02
RTD-TDR-63-1069	N63-22727	23-26
RTD-TDR-63-3007	N63-21216	21-09
RTD-TDR-63-3023	N63-22126	22-23
RTD-TDR-63-4029	N63-23702	24-06
S-37	N63-10545	01-17
S-38	N63-14303	10-26
S-74-R-28	N63-22228	23-08
S-74-R-29	N63-23121	24-08
S-75-R-26	N63-19430	19-08
S-104	N63-22280	23-01
S-456	N63-21220	21-19
S-472	N63-11784	04-25
S-480	N63-11711	04-07
S-510	N63-14843	11-23
S-515	N63-13844	09-17
S-528	N63-16271	13-24
S-543	N63-19329	18-25
S-545	N63-19055	18-09
S-1015-2	N63-23375	24-09
S-13859	N63-16279	13-07
S-13876	N63-15174	11-07
S-13893	N63-23011	24-07
S75-R25	N63-21222	21-09
SA-TR20-2313	N63-13172	07-17
SACRAMENTO PEAK OBS. CONTR.-39	N63-10490	01-28
SAD-79	N63-15242	11-21
SAD-93	N63-10455	01-22
SAD-98	N63-17917	16-15
SAD-100	N63-13112	07-21
SAD-102	N63-12607	06-02
SAD-103	N63-17175	15-20
SAD-110	N63-17449	15-08
SAD-121	N63-19997	19-12
SAD-125	N63-19749	19-21
SAD-128	N63-23169	24-08
SAE PAPER-632C	N63-12922	07-29
SAM-62-52	N63-10433	01-16
SAM-62-53	N63-10433	01-16
SAM-62-59	N63-11624	04-16
SAM-62-81	N63-10434	01-20
SAM-TDR-62-68	N63-20619	20-16
SAM-TDR-62-70	N63-10322	01-16
SAM-TDR-62-76	N63-14790	11-16
SAM-TDR-62-85	N63-13749	08-16
SAM-TDR-62-87	N63-10655	02-16
SAM-TDR-62-88	N63-14791	11-16
SAM-TDR-62-89	N63-13342	08-16
SAM-TDR-62-94	N63-12462	06-16
SAM-TDR-62-99	N63-10654	02-16
SAM-TDR-62-103	N63-12782	06-16
SAM-TDR-62-112	N63-12738	06-16
SAM-TDR-62-113	N63-21860	22-16
SAM-TDR-62-117	N63-13538	08-16
SAM-TDR-62-121	N63-10875	02-29
SAM-TDR-62-122	N63-19095	18-16
SAM-TDR-62-123	N63-12329	05-16
SAM-TDR-62-127	N63-12463	06-14
SAM-TDR-62-128	N63-16508	14-16
SAM-TDR-62-130	N63-20920	21-17
SAM-TDR-62-132	N63-13588	08-16
SAM-TDR-62-133	N63-12330	05-16
SAM-TDR-62-134	N63-12331	05-20
SAM-TDR-62-135	N63-15947	13-14
SAM-TDR-62-137	N63-12877	07-16
SAM-TDR-62-139	N63-15903	13-16
SAM-TDR-62-141	N63-22076	22-16
SAM-TDR-62-142	N63-13644	08-1
SAM-TDR-62-144	N63-12744	06-1
SAM-TDR-62-145	N63-12332	05-1
SAM-TDR-62-148	N63-16126	13-1
SAM-TDR-62-149	N63-13589	08-2
SAM-TDR-62-150	N63-23812	24-
SAM-TDR-62-151	N63-17555	16-
SAM-TDR-63-1	N63-17434	15-1
SAM-TDR-63-4	N63-15202	11-1
SAM-TDR-63-7	N63-16127	13-1
SAM-TDR-63-8	N63-17737	16-
SAM-TDR-63-10	N63-19096	18-
SAM-TDR-63-13	N63-20333	20-1
SAM-TDR-63-14	N63-22664	23-1
SAM-TDR-63-15	N63-18897	18-1
SAM-TDR-63-17	N63-15885	13-1
SAM-TDR-63-18	N63-15224	11-
SAM-TDR-63-20	N63-15847	13-1
SAM-TDR-63-21	N63-17435	15-1
SAM-TDR-63-22	N63-18880	18-1
SAM-TDR-63-25	N63-22077	22-1
SAM-TDR-63-26	N63-21185	21-1
SAM-TDR-63-27	N63-23338	24-1
SAM-TDR-63-31	N63-20651	20-1
SAM-TDR-63-34	N63-22078	22-1
SAM-TDR-63-36	N63-22980	23-1
SAM-TDR-63-38	N63-22827	23-1
SAM-TDR-63-39	N63-22981	23-1
SAM-TDR-63-40	N63-20656	20-1
SAM-TDR-63-41	N63-22666	23-1
SAM-TDR-63-42	N63-20698	21-0
SAM-TDR-63-44	N63-23780	24-1
SAM-TDR-63-45	N63-21201	21-1
SAM-TDR-63-47	N63-23372	24-1
SAM-TDR-63-49	N63-20973	21-1
SAM-TDR-63-53	N63-22667	23-1
SAM-TDR-63-61	N63-23811	24-1
SAM-TDR-63-62	N63-22828	23-1
SAM-TDR-63-65	N63-23514	24-1
SAM-TDR-63-67	N63-23339	24-1
SAO SPECIAL REPT.-94	N63-21905	22-3
SAO SPECIAL REPT.-95	N63-18995	18-2
SAO SPECIAL REPT.-96	N63-13475	08-3
SAO SPECIAL REPT.-101	N63-10510	01-2
SAO SPECIAL REPT.-102	N63-10509	01-2
SAO SPECIAL REPT.-103	N63-10508	01-2
SAO SPECIAL REPT.-104	N63-12115	05-0
SAO SPECIAL REPT.-105	N63-11823	04-2
SAO SPECIAL REPT.-106	N63-12116	05-0
SAO SPECIAL REPT.-107	N63-12117	05-2
SAO SPECIAL REPT.-108	N63-12118	05-2
SAO SPECIAL REPT.-109	N63-12119	05-0
SAO SPECIAL REPT.-110	N63-19948	19-3
SAO SPECIAL REPT.-111	N63-14253	10-2
SAO SPECIAL REPT.-112	N63-14268	10-2
SAO SPECIAL REPT.-113	N63-14254	10-2
SAO SPECIAL REPT.-114	N63-14546	10-3
SAO SPECIAL REPT.-115	N63-17211	15-3
SAO SPECIAL REPT.-116	N63-14411	10-3
SAO SPECIAL REPT.-117	N63-20258	20-2
SAO SPECIAL REPT.-118	N63-19094	18-0
SAO SPECIAL REPT.-119	N63-19957	19-3
SAO SPECIAL REPT.-120	N63-19958	19-2
SAO SPECIAL REPT.-121	N63-20203	20-0
SAO SPECIAL REPT.-122	N63-19543	19-2
SAO SPECIAL REPT.-123	N63-19960	19-2
SAO SPECIAL REPT.-124	N63-19959	19-1
SAO SPECIAL REPT.-125	N63-21723	22-0
SAO SPECIAL REPT.-126	N63-21987	22-3
SAO SPECIAL REPT.-127	N63-23655	24-3
SB-61-33	N63-21305	21-16
SB-61-67	N63-14739	11-29
SB-61-68	N63-17639	16-30
SB-62-2	N63-16329	13-28
SB-62-6	N63-20032	19-17
SB-62-8	N63-18123	16-34
SB-62-15	N63-17753	16-29
SB-62-17	N63-17086	15-08
SB-62-18	N63-16516	14-08
SB-62-20	N63-17638	16-24
SB-62-22, SUPPL. II	N63-16345	14-18
SB-62-25	N63-17087	15-17
SB-62-26	N63-17088	15-06
SB-62-27	N63-17636	16-19
SB-62-30	N63-17089	15-06
SB-62-34	N63-17640	16-15
SB-62-37	N63-17637	16-33
SB-62-43	N63-21360	22-09

SB-62-44	N63-17641	16-23
SB-62-46	N63-16526	14-09
SB-62-50	N63-14982	11-20
SB-62-51	N63-17433	15-06
SB-62-54	N63-15752	12-20
SB-62-55	N63-17029	15-11
SB-62-56	N63-16421	14-16
SB-62-58	N63-14957	11-01
SB-62-61	N63-18212	17-02
SB-62-62	N63-13695	08-25
SB-62-63	N63-14073	09-07
SB-62-68	N63-14828	11-18
SB-62-69	N63-18002	16-18
SB-63-1	N63-16275	13-30
SB-63-5	N63-15479	12-18
SB-63-6	N63-18011	16-23
SB-63-9	N63-18872	18-18
SB-63-10	N63-19023	18-17
SB-63-13	N63-17447	15-20
SB-63-17	N63-16220	13-09
SB-63-21	N63-22728	23-24
SB-63-22	N63-19444	19-24
SB-63-26	N63-21318	21-11
SB-63-27	N63-22807	23-32
SB-63-31	N63-22767	23-23
SB-63-36	N63-22729	23-34
SB-63-40	N63-22730	23-34
SB-63-41	N63-22155	22-16
SB-63-43	N63-19776	19-33
SB-63-49	N63-18213	17-17
SC-4735/RR/	N63-10483	01-12
SC-4747/RR/	N63-12212	05-18
SC-4752/RR/	N63-13502	08-11
SC-4759/RR/	N63-13577	08-28
SC-4764/RR/	N63-14202	09-11
SC-4776/RR/	N63-14752	11-24
SC-4777/RR/	N63-17704	16-11
SC-4790/RR/	N63-22180	23-26
SC-4791/RR/	N63-20944	21-26
SC-4792/RR/	N63-21655	22-18
SC-4903/RR/	N63-17996	16-12
SC-4905/RR/	N63-17642	16-10
SC-4911/RR/	N63-21443	22-24
SCA-34300	N63-11889	04-19
SCDC-2580	N63-14521	10-23
SCDC-3045	N63-17949	16-25
SCR-13	N63-16782	14-20
SCR-99B	N63-22090	22-06
SCR-222A	N63-17570	16-20
SCR-483	N63-15464	12-23
SCR-501	N63-14898	11-20
SCR-525	N63-18972	18-23
SCR-526	N63-18974	18-25
SCR-607	N63-16782	14-20
SCR-617	N63-19992	19-15
SCR-641	N63-19185	18-20
SCR-652	N63-16287	13-16
SCTM-71-63/24/	N63-15392	12-11
SDC-TM-738-003-00	N63-19508	19-20
SDL-324	N63-12427	06-33
SDR-62-1	N63-10076	01-20
SEL-62-064	N63-21107	21-12
SEL-62-093	N63-12106	05-09
SEL-62-149	N63-14246	10-12
SEL-62-149/SUP/	N63-23659	24-28
SEL-63-007	N63-19891	19-24
SEL-63-030	N63-21209	21-23
SEL-63-041	N63-17573	16-08
SEL-63-063	N63-22798	23-12
SEL-63-066	N63-22677	23-24
SEL-63-082	N63-22678	23-09
SELWS-E-101	N63-21465	22-08
SELWS-E-102	N63-14528	10-08
SELWS-E-104	N63-10208	01-15
SELWS-M-12	N63-10541	01-21
SELWS-M-13	N63-10634	02-21
SELWS-M-14	N63-10633	02-15
SELWS-M-15	N63-10888	02-21
SELWS-M-16	N63-11603	04-21
SELWS-M-17	N63-11604	04-21
SELWS-M-21	N63-12303	05-21
SERL-63-6	N63-19544	19-16
SGC-212R-4	N63-16485	14-08
SID-62-393	N63-11568	04-20
SID-62-519	N63-19952	19-29
SID-62-658-2	N63-19951	19-32
SID-62-708	N63-22771	23-06
SID-62-1219-3	N63-23790	24-18
SID-63-39	N63-17497	16-06
SID-63-60	N63-22772	23-09
SID-63-157	N63-21197	21-20
SID-63-167	N63-23353	24-01
SID-63-200	N63-23420	24-16
SID-63-284	N63-23047	24-16
SID-63-318	N63-14619	10-17
SID-63-347	N63-22773	23-29
SID-63-380	N63-21907	22-29
SID-63-846	N63-18991	18-17
SID-63-955	N63-22149	22-09
SID-63-1186	N63-23592	24-06
SL-63-033	N63-18188	16-30
SLAC-1	N63-16354	14-23
SLAC-3	N63-11868	04-23
SLAC-4	N63-11869	04-23
SLAC-6	N63-11870	04-23
SLAC-7	N63-12221	05-23
SLAC-9	N63-11982	05-23
SLAC-10	N63-18150	16-10
SLAC-12	N63-14556	10-23
SLAC-13	N63-15810	13-23
SLAC-14	N63-14557	10-23
SLAC-15	N63-17567	16-20
SLAC-16	N63-19195	18-09
SLAC-18	N63-22481	23-23
SLV-1B-3	N63-13158	07-31
SM-62-6	N63-16100	13-34
SM-62-8	N63-18226	17-33
SM-62-37	N63-14006	09-33
SM-62-49	N63-13979	09-11
SM-62-50	N63-15809	13-02
SM-41379	N63-15601	12-10
SM-41379-1	N63-15602	12-11
SM-41379-2	N63-15603	12-13
SM-41379-3	N63-15604	12-26
SM-41379-4	N63-15605	12-10
SM-41379-5	N63-15606	12-10
SM-41379-6	N63-15607	12-10
SM-41379-7	N63-15608	12-10
SM-41379-8	N63-15609	12-10
SM-41379-9	N63-15610	12-10
SM-41833	N63-23182	24-04
SM-42097	N63-11170	03-27
SM-42492	N63-13001	07-11
SM-42516	N63-11171	03-27
SM-42567	N63-13002	07-02
SM-42582	N63-12728	06-29
SM-42588	N63-20927	21-11
SM-42603	N63-13003	07-02
SM-42632	N63-22937	23-10
SM-42649	N63-13004	07-02
SM-42820	N63-22938	23-22
SM-42883	N63-13669	08-33
SM-42911	N63-12938	07-17
SM-42977	N63-22939	23-29
SM-42998	N63-22566	23-11
SM-43059	N63-22134	22-11
SM-43544	N63-23341	24-29
SM-43616	N63-20669	20-31
SM-43634	N63-22371	23-29
SMIR-62-7	N63-14049	09-23
SMIR-62-7, APPENDIX	N63-14050	09-23
SMIR-63-1	N63-15788	13-09
SN-101	N63-19939	19-02
SN-91657	N63-21424	22-18
SN-106749	N63-19261	18-19
SO-I-II	N63-23763	24-27
SP-201	N63-12833	06-01
SP-206	N63-16497	14-12

SP-216	N63-15864	13-01
SP-372/001/01	N63-15821	13-20
SP-373/000/01	N63-15908	13-20
SP-620-101-62U	N63-12671	06-23
SP-1022	N63-22731	23-30
SP16-A63	N63-22230	23-08
SPDIR-26, SUPPL. I	N63-23469	24-33
SPDIR-28	N63-23190	24-30
SPS-730	N63-15515	12-18
SPS-797	N63-13410	08-17
SPS-949	N63-17610	16-17
SPS-977	N63-19745	19-17
SR-4-2	N63-23660	24-11
SR-62-1047	N63-17492	16-16
SR1-16-P	N63-14565	10-07
SR-AE-1-63	N63-22672	23-10
SRB-62-4	N63-21806	22-23
SRB-63-1	N63-23615	24-13
SRI-14-P	N63-12305	05-07
SRI-15-P	N63-13920	09-23
SRI-21	N63-16835	14-18
SRI-22	N63-16836	14-18
SRI-RS-369	N63-18311	17-27
SRI-TR-17-P	N63-19340	18-11
SRI-TR-75	N63-17582	16-23
SRIA-65	N63-19767	19-01
SRS-P-62-328	N63-13557	08-24
SS-1211	N63-15804	13-10
SSD-3328R	N63-22586	23-27
SSD-3418R	N63-22526	23-11
SSD-TDR-62-101	N63-17892	16-11
SSD-TDR-62-116	N63-12279	05-15
SSD-TDR-62-119	N63-17678	16-24
SSD-TDR-62-127, VOL. II	N63-13211	07-23
SSD-TDR-62-127, VOL. III	N63-14741	11-07
SSD-TDR-62-127, VOL. IV	N63-16595	14-24
SSD-TDR-62-127, VOL. V	N63-18722	17-12
SSD-TDR-62-127, VOL. VI	N63-18839	18-25
SSD-TDR-62-146	N63-10656	02-24
SSD-TDR-62-149	N63-18891	18-02
SSD-TDR-62-154, VOL. I.	N63-14043	09-23
SSD-TDR-62-154, VOL. II	N63-13955	09-23
SSD-TDR-62-154, VOL. III	N63-13956	09-23
SSD-TDR-62-155	N63-11331	03-11
SSD-TDR-62-157	N63-10313	01-08
SSD-TDR-62-164	N63-17677	16-11
SSD-TDR-62-172	N63-12843	07-26
SSD-TDR-62-174	N63-11022	03-26
SSD-TDR-62-176	N63-11133	03-26
SSD-TDR-62-177	N63-11134	03-26
SSD-TDR-62-189	N63-21420	22-33
SSD-TDR-62-194	N63-11880	04-11
SSD-TDR-62-204	N63-13339	08-11
SSD-TDR-63-14	N63-19214	18-33
SSD-TDR-63-24	N63-14603	10-06
SSD-TDR-63-40	N63-14832	11-02
SSD-TDR-63-51	N63-14236	10-18
SSD-TDR-63-54	N63-22567	23-24
SSD-TDR-63-72	N63-17529	16-11
SSD-TDR-63-78	N63-16474	14-24
SSD-TDR-63-91-II	N63-18790	18-09
SSD-TDR-63-91-III	N63-18789	18-10
SSD-TDR-63-91-V, VOL. 2	N63-18788	18-29
SSD-TDR-63-109	N63-17331	15-11
SSD-TDR-63-119	N63-18192	16-02
SSD-TDR-63-120	N63-18247	17-24
SSD-TDR-63-131	N63-18805	18-24
SSD-TDR-63-146	N63-17528	16-15
SSD-TDR-63-156	N63-20819	21-02
SSD-TDR-63-157	N63-22568	23-33
SSD-TDR-63-160	N63-21246	21-19
SSD-TDR-63-161	N63-20307	20-12
SSD-TDR-63-169	N63-22507	23-24
SSD-TDR-63-172	N63-20668	20-25
SSD-TDR-63-183-/II/	N63-23792	24-25
SSD-TDR-63-183-/III/	N63-23370	24-06
SSD-TDR-63-183-/IV/	N63-23364	24-27
SSD-TDR-63-191	N63-23662	24-[illegible]
SSD-TDR-63-193	N63-22940	23-[illegible]
SSD-TDR-63-195	N63-23720	24-[illegible]
SSD-TDR-63-197	N63-23576	24-[illegible]
SSD-TDR-63-200	N63-23554	24-[illegible]
SSD-TDR-63-210	N63-22569	23-[illegible]
SSD-TDR-63-216	N63-23781	24-[illegible]
SSD-TDR-63-221	N63-22369	23-[illegible]
SSD-TDR-63-243	N63-20704	21-[illegible]
SSD-TDR-63-278	N63-23557	24-[illegible]
SSQ-592-T62-1	N63-11180	03-[illegible]
ST-144	N63-20474	20-[illegible]
STANFORD-TN-388-59	N63-11635	04-[illegible]
STANFORD-TN-388-60	N63-11636	04-[illegible]
STANFORD-TN-388-65	N63-11637	04-[illegible]
STL-9990-6363-RU-000	N63-20996	21-[illegible]
STL-9990-6382-RU-000	N63-13671	08-[illegible]
STL-TRANS-70	N63-18841	18-[illegible]
STL-TRANS-71	N63-17244	15-[illegible]
STR-MAR-100	N63-10155	01-1
SUDAER-119	N63-21229	21-1
SUDAER-133	N63-19856	19-[illegible]
SUDAER-136	N63-10314	01-[illegible]
SUDAER-138	N63-13269	07-[illegible]
SUDAER-141	N63-13050	07-[illegible]
SUDAER-142	N63-13473	08-[illegible]
SUDAER-143	N63-13474	08-[illegible]
SUDAER-145	N63-17202	15-[illegible]
SUDAER-146	N63-18337	17-[illegible]
SUDAER-147	N63-17035	15-[illegible]
SUDAER-150	N63-16393	14-[illegible]
SUDAER-151	N63-16394	14-[illegible]
SUDAER-152	N63-18624	17-[illegible]
SUDAER-156	N63-21045	21-[illegible]
SUDAER-160	N63-23689	24-[illegible]
SUFFIELD-TN-92	N63-14776	11-[illegible]
SUI-62-23-A	N63-10312	01-[illegible]
SUI-62-23-B	N63-10685	02-[illegible]
SUI-62-24	N63-11321	03-[illegible]
SUI-62-27	N63-11888	04-[illegible]
SUI-62-28	N63-11323	03-[illegible]
SUI-62-31	N63-12328	05-[illegible]
SUI-63-5	N63-17739	16-[illegible]
SUI-63-6	N63-15085	11-[illegible]
SUI-63-7	N63-15086	11-[illegible]
SUI-63-13	N63-18167	16-[illegible]
SUI-63-15	N63-18319	17-[illegible]
SUI-63-16	N63-18406	17-[illegible]
SUI-63-28	N63-21977	22-[illegible]
SURI-EE747-6208FR	N63-13153	07-[illegible]
SURI-EE957-6302T4	N63-16554	14-[illegible]
SURI-EE975-6304SR1	N63-16150	13-[illegible]
SURI-TR-834-5	N63-17712	16-[illegible]
SURI-TR-834-6	N63-17061	15-[illegible]
SURI-TR-834/11/ NO. 4	N63-10113	01-[illegible]
SWC-TDR-62-91	N63-23585	24-[illegible]
SWC-TDR-62-101	N63-16776	14-[illegible]
SWC-TDR-63-25	N63-16777	14-[illegible]
SWC-TDR-63-43	N63-18791	18-[illegible]
T-66-7	N63-21822	22-[illegible]
T-386-R	N63-18843	18-[illegible]
T-6922	N63-22350	23-[illegible]
T63-8-1	N63-15529	12-[illegible]
T&AM-206	N63-10716	02-[illegible]
T&AM-208	N63-10717	02-[illegible]
T&AM-209	N63-10718	02-[illegible]
T&AM-210	N63-10719	02-[illegible]
T&AM-212	N63-10720	02-[illegible]
T&AM-213	N63-10721	02-[illegible]
T&AM-214	N63-10722	02-[illegible]
T&AM-219	N63-10891	02-[illegible]
T&AM-234	N63-10503	01-[illegible]
T&AM-235	N63-10892	02-[illegible]
T&AM-237	N63-10989	02-[illegible]
T&AM-238	N63-16540	14-[illegible]
T&AM-240	N63-14097	09-[illegible]

T&AM-241	N63-13921	09-20
T&AM-242	N63-15408	12-19
T&AM-244	N63-16727	14-18
T&AM-245	N63-17746	16-18
T&AM-246	N63-16970	14-34
T&AM-247	N63-16971	14-33
T&AM-248	N63-17472	15-33
T&AM-249	N63-19726	19-19
TAE-19	N63-21864	22-33
TB-63-2	N63-14841	11-06
TB-63-3	N63-14639	10-06
TCEA-TM-15	N63-18031	16-10
TCEA-TN-10	N63-11747	04-20
TCEA-TN-11	N63-18030	16-20
TCREC-62-63, VOL. I	N63-14366	10-04
TCREC-62-63, VOL. II	N63-14367	10-04
TCREC-TR-62-3A	N63-12995	07-04
TCREC-TR-62-3B	N63-12996	07-04
TCREC-TR-62-22	N63-13506	08-04
TCREC-TR-62-33	N63-17568	16-04
TCREC-TR-62-41	N63-21058	21-04
TCREC-TR-62-44	N63-11746	04-03
TCREC-TR-62-46	N63-12002	05-02
TCREC-TR-62-73	N63-11749	04-04
TCREC-TR-62-80	N63-19838	19-27
TCREC-TR-62-82	N63-12933	07-24
TCREC-TR-62-88	N63-12051	05-04
TCREC-TR-62-90	N63-14532	10-23
TCREC-TR-62-91	N63-18623	17-06
TCREC-TR-62-93	N63-17102	15-06
TCREC-TR-62-99	N63-13798	09-04
TCREC-TR-62-101	N63-12994	07-04
TCREC-TR-62-102	N63-19163	18-04
TCREC-TR-62-103	N63-19078	18-27
TCREC-TR-62-109	N63-19443	19-15
TCREC-TR-62-111	N63-19171	18-17
TCREC-TR-62-112	N63-13507	08-25
TCREC-TR-63-100	N63-16471	14-04
TD-937	N63-11929	04-01
TD MEMO-6208	N63-13707	08-03
TDM-W-11,774, REV. 1	N63-15424	12-04
TDR-69/211/TN-1	N63-12920	07-30
TDR-69/2230-04/TN-2	N63-10680	02-11
TDR-69/2230-14/TR-1	N63-10682	02-24
TDR-169/3153-20/TN-1	N63-23434	24-24
TDR-169/3153/TN-4	N63-12039	05-15
TDR-169/3153/TR-1	N63-12104	05-15
TDR-169/3210-02/TN-1	N63-10656	02-24
TDR-169/3210-06/TN-1	N63-11331	03-11
TDR-169/3210-06/TR-1	N63-12279	05-15
TDR-169/3230-11/TN-6	N63-18891	18-02
TDR-169/3230-11/TN-8	N63-19214	18-33
TDR-169/3230-11/TN-12	N63-22567	23-24
TDR-169/3230-11/TN-14	N63-22568	23-33
TDR-169/3230-11/TR-2	N63-18192	16-02
TDR-169/3230-11/TR-3	N63-20819	21-02
TDR-169/3230-12/TN-1	N63-17892	16-11
TDR-169/3230-12/TN-2	N63-17678	16-24
TDR-169/3230-12/TN-3	N63-17677	16-11
TDR-169/3230-12/TN-4	N63-11880	04-11
TDR-169/3230-12/TN-5	N63-13339	08-11
TDR-169/3230-12/TN-6	N63-14832	11-02
TDR-169/3230-12/TN-7	N63-17331	15-11
TDR-169/3230-12/TR-3	N63-16474	14-24
TDR-169/3230-22/TN-3	N63-18805	18-24
TDR-169/3240-01/TN-2	N63-20668	20-25
TDR-169/3240-31/TR-2	N63-14236	10-18
TDR-169/3240-31/TR-1	N63-14236	10-18
TDR-169/3240/TN-2	N63-21246	21-19
TDR-169/3260-50/TN-3	N63-20307	20-12
TDR-169/3510-41/TR-4	N63-22369	23-12
TDR-169/3560-30/-TN-2	N63-21420	22-33
TDR-169/3560-30/TR-2, VOL. I	N63-14043	09-23
TDR-169/3560-30/TR-2, VOL. II	N63-13955	09-23
TDR-169/3560-30/TR-2, VOL. III	N63-13956	09-23
TDR-169/3713-01/TR-1	N63-18247	17-24
TDR-169/3741-08/TN-1	N63-20142	20-01
TDR-169/3741-08/TN-2	N63-20143	20-01
TDR-169/3741-08/TN-3	N63-20144	20-14
TDR-169/3910-05/TN-2	N63-17529	16-11
TDR-269/4111/-1	N63-23576	24-08
TDR-269/4130-10/-5	N63-23554	24-30
TDR-269/4230-30/-1	N63-23720	24-04
TDR-269/4230-40/-1	N63-22940	23-24
TDR-269/4240-01/-1	N63-23662	24-19
TDR-269/4240-10/-2	N63-23781	24-18
TDR-269/4280-20/-1	N63-22507	23-24
TDR-269/4530-20/-1	N63-22569	23-30
TDR-930/2210-02/TN-1	N63-15871	13-24
TDR-930/2210-14/TN-1	N63-16491	14-11
TDR-930/2210-14/TR-1	N63-18718	17-27
TDR-930/2230-03/TR-2	N63-10706	02-24
TDR-930/2230-06/TR-1	N63-16134	13-02
TDR-930/2352/TR-1	N63-15920	13-29
TDR-930/2411/TN-1	N63-12904	07-18
TDR-930/2560-40/TN-1	N63-18119	16-29
TDR-930/2701-01/TN-1/IIPT 1-4S	N63-14539	10-01
TDR-930/2701-01/TN-1, VOL. II	N63-12222	05-27
TEES-2671-2	N63-12076	05-20
TEES-E63-64	N63-12076	05-20
TFM-8151-006	N63-10936	02-11
TG-189	N63-18187	16-21
TG-230-T304	N63-16121	13-29
TG-230-T330	N63-16948	14-11
TG-230-T333	N63-21916	22-23
TG-371-4B	N63-15576	12-26
TG-416	N63-11735	04-30
TG-416-A	N63-11735	04-30
TG-459	N63-11960	05-22
TG-461	N63-22836	23-10
TG-502	N63-18203	16-30
TG-514	N63-20772	21-32
TI-08-63-20	N63-23116	24-09
TI-08-63-62	N63-22942	23-09
TI-08-63-102	N63-22943	23-09
TID-3523 /REV. 5/	N63-21018	21-23
TID-3525 /REV. 4/	N63-10518	01-23
TID-3561 /REV. 3/	N63-13742	08-06
TID-3564 /REV. 1/	N63-22219	23-23
TID-3572	N63-22220	23-18
TID-3574	N63-13500	08-13
TID-3575	N63-22218	23-23
TID-3909 /SUPPL. 1/	N63-10605	02-16
TID-4500	N63-15675	12-17
TID-7024	N63-23176	24-12
TID-7027	N63-11535	03-16
TID-7620 /PT. 1/	N63-17251	15-18
TID-7641	N63-17379	15-07
TID-7642, BK. 2	N63-16118	13-18
TID-7652, BK.1	N63-15114	11-28
TID-7652, BK. 2	N63-15138	11-28
TID-7653 /PT. 1/	N63-22301	23-01
TID-7658	N63-15502	12-13
TID-7664	N63-23783	24-23
TID-8212	N63-10659	02-17
TID-11295 /2ND ED./	N63-13693	08-01
TID-16273	N63-13378	08-23
TID-16315 /DEL./	N63-12211	05-27
TID-16999	N63-11828	04-23
TID-17089 /PT. I/	N63-14237	10-23
TID-17089 /PT. II/	N63-14285	10-23
TID-17508	N63-13501	08-07
TID-17682	N63-14630	10-33
TID-17792	N63-17259	15-13
TID-17887	N63-14498	10-33
TID-17912	N63-17614	16-25
TID-17940	N63-22221	23-18
TID-18072	N63-18001	16-23
TID-18124	N63-14211	09-15
TID-18195	N63-19286	18-07
TID-18636	N63-17769	16-25
TIL/T-4957	N63-14725	11-33
TIL/T-5032	N63-14640	10-33
TIL/T-5107	N63-13318	07-07
TIL/T-5129	N63-14408	10-07
TIL/T-5193	N63-11650	04-01
TIL/T-5202	N63-12721	06-23
TIL/T-5280	N63-12363	06-15
TIL/T-5306	N63-11168	03-13
TIL/T-5314	N63-12599	06-07
TIL/T-5316	N63-11169	03-07
TIL/T-5319	N63-10574	01-09
TIL/T-5323	N63-14451	10-11

TIL/T-5325	N63-16903	14-11
TIL/T-5326	N63-14552	10-09
TIL/T-5327	N63-10591	02-07
TIL/T-5331	N63-10581	02-07
TIL/T-5339	N63-11651	04-07
TIL/T.5342	N63-23397	24-07
TIL/T-5344	N63-20277	20-17
TIL/T-5352	N63-22467	23-11
TIL/T-5363	N63-12722	06-07
TIL/T-5368	N63-13739	08-07
TIL/T-5369	N63-10606	02-07
TIL/T-5370	N63-12955	07-07
TIL/T-5372	N63-10573	01-07
TIL/T-5373	N63-12600	06-07
TIL/T-5374	N63-16963	14-34
TIL/T-5376	N63-23073	24-08
TIL/T-5379	N63-12601	06-11
TIL/T-5386	N63-14794	11-26
TIL/T-5387	N63-14726	11-13
TIL/T-5388	N63-15898	13-13
TIL/T-5390	N63-13666	08-07
TIL/T-5394	N63-20276	20-19
TILTK-5378	N63-21674	22-16
TIS-635SD238	N63-20101	20-16
TIS-R62ELM-186-10	N63-20596	20-09
TIS-R62ELM-186-11	N63-20582	20-09
TIS-R62-ETC2	N63-16107	13-09
TIS-R62-SD77	N63-12256	05-33
TIS-R62-SD-84	N63-14713	10-29
TM-18	N63-14859	11-12
TM-36	N63-14005	09-08
TM-62-207	N63-15339	12-10
TM-63-1	N63-17595	16-11
TM-63-201	N63-16481	14-30
TM-63-203	N63-16482	14-05
TM-339-84	N63-22785	23-14
TM-348-33.6-11	N63-16747	14-03
TM-738/002/00	N63-15364	12-20
TM-1377	N63-15213	11-26
TM-1383	N63-13461	08-07
TM-1384	N63-13462	08-26
TM-1407	N63-14485	10-07
TM-1423	N63-18103	16-07
TM-1443	N63-21689	22-07
TM-3692	N63-22531	23-09
TN-29	N63-19004	18-15
TN-76	N63-17731	16-23
TN-80	N63-15461	12-23
TN-89	N63-17963	16-23
TN-90	N63-17964	16-23
TN-91	N63-16555	14-23
TN-92	N63-17965	16-23
TN-AE-14-62	N63-22382	23-02
TN-WP-21-63	N63-22523	23-21
TN-WP-22-63	N63-22524	23-21
TO-B-62-3	N63-10161	01-34
TP-40	N63-12804	06-07
TP-43	N63-12145	05-24
TP-52	N63-10590	02-11
TP-54	N63-11235	03-13
TP-60	N63-12805	06-02
TP-63	N63-14257	10-07
TP-85325	N63-21351	22-19
TR-25	N63-21785	22-11
TR-62-8	N63-12370	06-17
TR 62-204.18	N63-15829	13-25
TR-62-213	N63-14034	09-10
TR-62-255.3	N63-15792	13-25
TR-62-460.7	N63-16496	14-17
TR-62-704-104-204-208.21	N63-10145	01-09
TR-62-704-104-204-205-208.19	N63-15832	13-25
TR-63-1	N63-16165	13-09
TR 63-12	N63-14330	10-20
TR-63-254.4	N63-21239	21-09
TR-63-255.4	N63-19769	19-09
TR-63-255.5	N63-22199	23-18
TR-63-704-104-204-208.23	N63-19757	19-09
TR-63-2178	N63-21552	22-24
TR-001	N63-19851	19-29
TR-134	N63-22370	23-09
TR-364	N63-17713	16-0[illegible]
TR-371-9/4	N63-13138	07-1[illegible]
TR-800-5	N63-12280	05-2[illegible]
TR-975, SUP. 1	N63-15513	12-0[illegible]
TR-1073	N63-12764	06-1[illegible]
TR-1087	N63-13624	08-1[illegible]
TR-1088	N63-11945	04-2[illegible]
TR-1093	N63-14096	09-0[illegible]
TR-1098	N63-16549	14-1[illegible]
TR-1099	N63-14284	10-0[illegible]
TR-1102	N63-14778	11-1[illegible]
TR-1106	N63-22095	22-1[illegible]
TR-1108	N63-14559	10-0[illegible]
TR-1114	N63-14779	11-1[illegible]
TR-1119	N63-17079	15-0[illegible]
TR-1130	N63-17910	16-1[illegible]
TR-1145	N63-20022	19-0[illegible]
TR-1157	N63-20792	21-0[illegible]
TR-1162	N63-22350	23-0[illegible]
TR-1165	N63-23143	24-1[illegible]
TR-2311-6026-RU000	N63-12405	06-17
TR62-209A	N63-14030	09-23
TR62-209B	N63-14194	09-08
TR62-209C	N63-14193	09-24
TR62-209E	N63-14031	09-11
TR62-209F	N63-14032	09-11
TR62-209G	N63-14033	09-11
TR62-209L	N63-14196	09-24
TR62-209N	N63-14197	09-24
TR62-254.3	N63-23118	24-09
TR62-2090	N63-14195	09-24
TR63-225	N63-23793	24-23
TR-AE-6204	N63-10439	01-27
TR-EE-62-8	N63-11630	04-09
TR-EE-63-2	N63-15324	12-08
TRACOR-63-216-U	N63-19868	19-07
TRECOM-TR-63-1	N63-23622	24-04
TRECOM-TR-63-8	N63-20111	20-15
TRECOM-TR-63-9	N63-17604	16-33
TRECOM-TR-63-10,VOL.1	N63-20112	20-15
TRECOM-TR-63-10,VOL.2	N63-20113	20-15
TRECOM-TR-63-10,VOL.3	N63-20114	20-15
TRECOM-TR-63-11	N63-18745	17-11
TRECOM-TR-63-12	N63-17941	16-27
TRECOM-TR-63-15	N63-13799	09-34
TRECOM-TR-63-16	N63-20119	20-03
TRECOM-TR-63-17	N63-19187	18-06
TRECOM-TR-63-18	N63-17498	16-04
TRECOM-TR-63-26	N63-22684	23-03
TRECOM-TR-63-27	N63-20649	20-10
TRECOM-TR-63-34	N63-22914	23-03
TRECOM-TR-63-35	N63-22375	23-11
TRECOM-TR-63-37	N63-20824	21-04
TRECOM-TR-63-38	N63-22915	23-11
TRECOM-TR-63-42	N63-23623	24-04
TRECOM-TR-63-51	N63-21834	22-04
TRECOM-TR-63-53	N63-22376	23-04
TRG-134-QRT-3	N63-14545	10-25
TRG-134-QTR-2	N63-11436	03-23
TRG-134-QTR-4	N63-18672	17-25
TRG-134-QTR-5	N63-23556	24-25
TRG-140-FR	N63-12183	05-11
TRG-153-SR-1	N63-10454	01-11
TRG-153-SR-2	N63-13137	07-11
TRG-156-SR-1	N63-10751	02-11
TRG-156-SR-2	N63-15343	12-11
TRG-158-FR	N63-11884	04-11
TRG-TDR-1	N63-12714	06-08
TTRI-48	N63-12403	06-33
TTRI-52	N63-11305	03-17
TTRI-53	N63-12404	06-33
TTRI-54	N63-15231	11-33
TTRI-55	N63-15232	11-33
TTRI-56	N63-17246	15-33
TTRI-57	N63-15233	11-34
TTRI-58	N63-17247	15-20
U-106-48	N63-14829	11-23
U-1988	N63-12207	05-26
U-2007	N63-20962	21-32
U-2059	N63-14740	11-26
U-2062	N63-17219	15-07
U-2116	N63-16398	14-26

J-2202	N63-20998	21-32
J-2208	N63-21729	22-16
J-2231	N63-19716	19-23
J-2257	N63-22278	23-02
J-2276	N63-22279	23-26
J-2289	N63-22849	23-26
J411-63-005	N63-18271	17-23
J413-62-108	N63-10610	02-16
JAG-C-28	N63-16023	13-12
JAG-C-29	N63-16026	13-12
JAG-R127	N63-12198	05-12
JAG-R133	N63-14173	09-12
JAG-R135	N63-18681	17-12
JAG-R137	N63-20748	21-12
JAG-R139	N63-20419	20-12
JAG-R140	N63-21260	21-23
JBG-62-559	N63-19272	18-26
JCLA 510	N63-12946	07-16
JCLA-512	N63-17265	15-16
JCLA-515	N63-20640	20-16
JCLA-516	N63-20346	20-16
JCLA-517	N63-22668	23-16
JCRL-2426, VOL. III	N63-22354	23-23
JCRL-5705/SUPPL. 2/	N63-14597	10-18
JCRL-6693	N63-16034	13-28
JCRL-6695	N63-13612	08-26
JCRL-6743	N63-11996	05-19
JCRL-6769	N63-10461	01-23
JCRL-6879	N63-10500	01-24
JCRL-6886, REV. 1	N63-17537	16-09
JCRL-6942	N63-12060	05-12
JCRL-6947-T	N63-11224	03-24
JCRL-6989	N63-22561	23-23
JCRL-7001	N63-12423	06-23
JCRL-7031	N63-10548	01-06
JCRL-7032	N63-10115	01-23
JCRL-7036, PT. 6	N63-13575	08-15
JCRL-7036, PT. 8	N63-10074	01-10
JCRL-7052	N63-11178	03-23
JCRL-7061	N63-15446	12-23
JCRL-7087	N63-13046	07-23
JCRL-7115	N63-13047	07-24
JCRL-7118	N63-11179	03-23
JCRL-7128	N63-12424	06-07
JCRL-7143	N63-13613	08-23
JCRL-7145	N63-18003	16-27
JCRL-7160	N63-15654	12-01
JCRL-7165	N63-15092	11-15
JCRL-7168	N63-13614	08-23
JCRL-7184	N63-15101	11-18
JCRL-7191	N63-20895	21-09
JCRL-7204	N63-14598	10-07
JCRL-7210	N63-16564	14-18
JCRL-7223	N63-14599	10-15
JCRL-7238	N63-16144	13-07
JCRL-7253	N63-16565	14-24
JCRL-7254	N63-19640	19-16
JCRL-7262	N63-15093	11-23
JCRL-7267	N63-17617	16-25
JCRL-7280	N63-15486	12-23
JCRL-7284	N63-17569	16-18
JCRL-7289	N63-16566	14-18
JCRL-7294	N63-17071	15-20
JCRL-7309, REV. I	N63-19921	19-12
JCRL-7316	N63-19162	18-23
JCRL-7355	N63-21411	22-23
JCRL-7363	N63-20781	21-24
JCRL-7376	N63-21041	21-23
JCRL-7401	N63-20896	21-23
JCRL-7427	N63-22603	23-23
JCRL-8030, REV.	N63-19002	18-25
JCRL-9658	N63-19016	18-16
JCRL-10267	N63-18348	17-16
JCRL-10294	N63-10141	01-23
JCRL-10321	N63-12939	07-23
JCRL-10331	N63-22355	23-23
JCRL-10347	N63-13563	08-23
JCRL-10366	N63-12419	06-23
JCRL-10394	N63-18823	18-11
JCRL-10396	N63-19222	18-09
JCRL-10404	N63-12940	07-07
JCRL-10421	N63-11177	03-15
JCRL-10426	N63-11796	04-23
JCRL-10435	N63-11797	04-19
JCRL-10437	N63-11997	05-07
JCRL-10438	N63-18896	18-23
JCRL-10451	N63-10863	02-07
JCRL-10461	N63-10870	02-23
JCRL-10466	N63-11998	05-25
JCRL-10468	N63-11999	05-19
JCRL-10474	N63-10871	02-23
JCRL-10477	N63-10504	01-23
JCRL-10482	N63-10872	02-07
JCRL-10491	N63-11798	04-20
JCRL-10494	N63-12941	07-07
JCRL-10499	N63-16149	13-15
JCRL-10504	N63-12420	06-23
JCRL-10505	N63-12000	05-07
JCRL-10510	N63-11136	03-23
JCRL-10516	N63-22831	23-23
JCRL-10523	N63-14079	09-23
JCRL-10526	N63-12942	07-15
JCRL-10527	N63-13564	08-13
JCRL-10531	N63-12422	06-23
JCRL-10559	N63-16035	13-16
JCRL-10562	N63-13565	08-23
JCRL-10563	N63-17240	15-23
JCRL-10572	N63-14080	09-23
JCRL-10575	N63-12421	06-07
JCRL-10585	N63-16036	13-23
JCRL-10587	N63-14081	09-12
JCRL-10589	N63-13073	07-16
JCRL-10607	N63-14600	10-24
JCRL-10609	N63-15487	12-23
JCRL-10613	N63-19223	18-23
JCRL-10614	N63-15229	11-26
JCRL-10620	N63-17023	15-23
JCRL-10621	N63-19401	19-23
JCRL-10624	N63-16538	14-07
JCRL-10625	N63-14082	09-23
JCRL-10629	N63-16501	14-25
JCRL-10630	N63-14083	09-23
JCRL-10631	N63-15488	12-24
JCRL-10634	N63-14631	10-07
JCRL-10640	N63-15319	12-11
JCRL-10649	N63-15614	12-25
JCRL-10650	N63-18056	16-20
JCRL-10654	N63-18000	16-09
JCRL-10655	N63-18300	17-09
JCRL-10677	N63-16502	14-23
JCRL-10683	N63-22193	23-16
JCRL-10683, SUPPL.	N63-23017	24-16
JCRL-10687	N63-16503	14-24
JCRL-10696	N63-17488	16-11
JCRL-10698	N63-19794	19-24
JCRL-10701	N63-22669	23-18
JCRL-10702	N63-16504	14-23
JCRL-10703	N63-15889	13-23
JCRL-10705	N63-16505	14-24
JCRL-10706	N63-17705	16-07
JCRL-10708	N63-17156	15-18
JCRL-10717	N63-16506	14-11
JCRL-10718	N63-16571	14-23
JCRL-10720	N63-17186	15-23
JCRL-10724	N63-17024	15-19
JCRL-10731	N63-23706	24-23
JCRL-10734	N63-16561	14-20
JCRL-10743	N63-19224	18-07
JCRL-10744	N63-16507	14-20
JCRL-10747	N63-19225	18-23
JCRL-10752, SUPPL.	N63-17619	16-23
JCRL-10754	N63-18814	18-15
JCRL-10755	N63-18986	18-24
JCRL-10762	N63-18992	18-24
JCRL-10770	N63-20393	20-15
JCRL-10778	N63-19918	19-25
JCRL-10780	N63-16573	14-23
JCRL-10783	N63-19817	19-23
JCRL-10793	N63-20707	21-25
JCRL-10813	N63-20897	21-23
JCRL-10816	N63-20542	20-18
JCRL-10834	N63-19039	18-09
JCRL-10838	N63-20712	21-23
JCRL-10848	N63-23670	24-07
JCRL-10849	N63-20898	21-24
JCRL-10850	N63-20899	21-25
JCRL-10855	N63-19925	19-09
JCRL-10862	N63-19226	18-23
JCRL-10878	N63-20900	21-23
JCRL-10886	N63-22356	23-07
JCRL-10888	N63-21161	21-23
JCRL-10898	N63-22357	23-09
JCRL-10951	N63-22829	23-16
JCRL-10953	N63-22830	23-23
JCRL-10965	N63-23712	24-23

UCRL-13052	N63-12278	05-18
UE-27-139	N63-11715	04-04
UNC-5014, VOL. A	N63-15543	12-23
UNC-5014, VOL. B	N63-15544	12-25
UNC-5028	N63-17426	15-07
UNC-5048	N63-17461	15-07
UR-610	N63-22916	23-16
UR-619	N63-11844	04-16
UR-621	N63-11845	04-16
UR-622	N63-14497	10-16
UR-625	N63-19635	19-16
UR-626	N63-18825	18-16
UR-627	N63-19811	19-16
UR-629	N63-19523	19-10
UR-631	N63-22917	23-16
URPA-2	N63-22473	23-23
URPA-3	N63-22474	23-23
US-30	N63-13641	08-08
US-31	N63-13642	08-23
US-32	N63-13643	08-24
US-33	N63-15685	12-24
USAELRDL-TN-2306	N63-22670	23-23
USAELRDL-TR-2320	N63-20672	20-25
USAELRDL-TR-2321	N63-18074	16-21
USAELRDL-TR-2322	N63-17908	16-23
USAELRDL-TR-2334	N63-19331	18-08
USAERADL-TR-2292	N63-18999	18-09
USAMRL-472	N63-19245	18-14
USASRDL-TR-2290	N63-23785	24-28
USBM-U-1001	N63-14294	10-18
USBM-U-1031	N63-15730	12-18
USBM-U-1057	N63-19613	19-18
USCEC-65-35	N63-13521	08-11
USCEC-65-50	N63-10763	02-02
USCEC-65-54	N63-23100	24-09
USCEC-65-55	N63-23101	24-02
USCEC-65-56	N63-23102	24-02
USCEC-65-57	N63-23103	24-10
USCEC-76-101	N63-19168	18-11
USCEC-81-101	N63-20764	21-24
USCEC-82-205	N63-13853	09-24
USCEC-82-206	N63-13992	09-23
USCEC-82-208	N63-16478	14-24
USCEC-82-211	N63-18910	18-23
USCEC-83-101	N63-14379	10-11
USCEC-93-201	N63-14295	10-17
USCEC-96-101	N63-23063	24-24
USCEC-97-101	N63-17065	15-20
USCEC-R-78-101	N63-13923	09-20
USNDRL-TR-604	N63-12475	06-15
USNRDL-TR-544	N63-12083	05-08
USNRDL-TR-547	N63-12100	05-19
USNRDL-TR-548	N63-10316	01-15
USNRDL-TR-559	N63-10658	02-23
USNRDL-TR-581	N63-10909	02-23
USNRDL-TR-587	N63-11238	03-24
USNRDL-TR-589	N63-10883	02-27
USNRDL-TR-591	N63-12481	06-15
USNRDL-TR-592	N63-11040	03-20
USNRDL-TR-598	N63-20282	20-23
USNRDL-TR-599	N63-12490	06-18
USNRDL-TR-601	N63-12473	06-07
USNRDL-TR-602	N63-12474	06-17
USNRDL-TR-606	N63-13206	07-16
USNRDL-TR-607	N63-12788	06-07
USNRDL-TR-608	N63-13573	08-16
USNRDL-TR-611	N63-13079	07-16
USNRDL-TR-616	N63-14260	10-16
USNRDL-TR-617	N63-14950	11-09
USNRDL-TR-619	N63-13854	09-16
USNRDL-TR-620	N63-14824	11-16
USNRDL-TR-621	N63-15668	12-15
USNRDL-TR-622	N63-14570	10-16
USNRDL-TR-623	N63-15539	12-10
USNRDL-TR-624	N63-15518	12-16
USNRDL-TR-625	N63-14712	10-16
USNRDL-TR-627	N63-14887	11-1
USNRDL-TR-628	N63-15068	11-1
USNRDL-TR-630	N63-15560	12-[illegible]
USNRDL-TR-634	N63-15764	13-[illegible]
USNRDL-TR-636	N63-16352	14-[illegible]
USNRDL-TR-644	N63-17613	16-[illegible]
USNRDL-TR-650	N63-18740	17-[illegible]
USNRDL-TR-654	N63-20398	20-1[illegible]
USNRDL-TR-657	N63-21172	21-1[illegible]
USNRDL-TR-660	N63-20506	20-2[illegible]
USNRDL-TR-661	N63-22502	23-1[illegible]
USNRDL-TR-663	N63-22503	23-2[illegible]
USNRDL-TR-664	N63-22184	23-0[illegible]
USNRDL-TR-667	N63-22185	23-2[illegible]
USNRDL-TR-668	N63-23180	24-1[illegible]
USNRDL-TR-669	N63-23181	24-2[illegible]
UTC-2002-FR	N63-15440	12-0[illegible]
UTC-2002-QT7	N63-11690	04-0[illegible]
UTC-2015-FR	N63-20146	20-2[illegible]
UTIA-21	N63-10635	02-3[illegible]
UTIA-23	N63-17626	16-3[illegible]
UTIA-67	N63-10636	02-2[illegible]
UTIA-84	N63-17493	16-3[illegible]
UTIA-86	N63-10636	02-2[illegible]
UTIA-87	N63-14834	11-3[illegible]
UTIA-88	N63-14866	11-2[illegible]
UTIA-89	N63-14355	10-3[illegible]
UTIA-90	N63-17600	16-0[illegible]
UTIA-REV-22	N63-14400	10-1[illegible]
UTIA-TN-52	N63-17558	16-2[illegible]
UTIA-TN-58	N63-22413	23-2[illegible]
UTIA-TN-59	N63-10543	01-0[illegible]
UTIA-TN-60	N63-10544	01-0[illegible]
UTIA-TN-63	N63-17557	16-0[illegible]
UTIA-TN-64	N63-14354	10-2[illegible]
UTIA-TN-65	N63-14844	11-0[illegible]
UTIA-TN-66	N63-19188	18-1[illegible]
UTIA-TN-67	N63-22671	23-1[illegible]
UU-10	N63-14304	10-2[illegible]
UVA-3-R	N63-23564	24-2[illegible]
VIDYA-101	N63-23589	24-2[illegible]
VITRO-2331-1-60	N63-18748	17-2[illegible]
VL-2244-3-0	N63-16780	14-2[illegible]
VL-2244-6-0	N63-16793	14-2[illegible]
VL-2244-19-0	N63-22983	23-2[illegible]
VL-2262-13-0	N63-17897	16-0[illegible]
VR-7	N63-23193	24-2[illegible]
VR-8	N63-23194	24-2[illegible]
W-G-RD-62-156	N63-13654	08-3[illegible]
W-J-61-336AR24	N63-20664	20-0[illegible]
W-J 62-410R28	N63-16437	14-0[illegible]
W-J-62-609R5	N63-13157	07-0[illegible]
W-J-63-434R15	N63-14000	09-0[illegible]
W-J-63-434R16	N63-16029	13-0[illegible]
W-J 63-434R19	N63-18362	17-0[illegible]
W-J-63-604R4	N63-18628	17-0[illegible]
W-J-63-606R12	N63-13815	09-2[illegible]
W-J-63-609R10	N63-20989	21-0[illegible]
W-J-63-609R15	N63-21016	21-0[illegible]
W-J-63-610R12-1	N63-17062	15-0[illegible]
W-J-63-610R12	N63-16344	14-1[illegible]
W-J-63-612R12	N63-16449	14-2[illegible]
W-J-63-615R3	N63-14047	09-0[illegible]
W-J-63-615R6	N63-17378	15-0[illegible]
W-J-63-615R10	N63-22651	23-0[illegible]
WADC-TR-53-373, SUPPL. 9	N63-11239	03-0[illegible]
WADC-TR-56-645, PT. VI	N63-15269	12-1[illegible]
WADC-TR-56-645, PT. VII	N63-15664	12-1[illegible]
WADC-TR-57-118, /I AND II/	N63-18012	16-1[illegible]
WADC-TR-59-523	N63-22019	22-0[illegible]
WADC-TR-59-523, PT. III	N63-13960	09-2[illegible]
WADC-TR-59-603, PT. IV	N63-16109	13-1[illegible]
WADC-TR-75-344, PT. VII	N63-18779	18-1[illegible]
WADD-TN-59-1	N63-10477	01-1[illegible]
WADD-TR-60-37, PT. III	N63-12276	05-1[illegible]

WADD-TR-60-143, PT. IV	N63-15754	12-18
WADD-TR-60-184, PT. IV	N63-16667	14-18
WADD-TR-60-370, PART III	N63-22597	23-13
WADD-TR-60-371	N63-19325	18-24
WADD-TR-60-371, PT. II	N63-19326	18-10
WADD-TR-60-463, PT. II	N63-11227	03-18
WADD-TR-60-470, PT. 3	N63-20490	20-10
WADD-TR-60-517, VOL. II	N63-10908	02-33
WADD-TR-60-540	N63-10649	02-19
WADD-TR-60-646, PT. II	N63-17431	15-07
WADD-TR-60-746, PT. II	N63-15465	12-18
WADD-TR-60-782, PT. VII	N63-14879	11-07
WADD-TR-60-782, PT. X	N63-17940	16-07
WADD-TR-60-782, PT. XI	N63-19150	18-07
WADD-TR-60-787, PT. II	N63-15797	13-17
WADD-TR-60-889, PT. II	N63-17689	16-18
WADD-TR-60-893, PT. III	N63-17894	16-18
WADD-TR-61-42, PT. 2	N63-13936	09-33
WADD-TR-61-42, PT. III	N63-16740	14-33
WADD-TR-61-48, PT. III	N63-11630	04-09
WADD-TR-61-72, VOL. 14	N63-20415	20-19
WADD-TR-61-72, VOL. 16	N63-20116	20-07
WADD-TR-61-72, VOL. 18	N63-20416	20-19
WADD-TR-61-72, VOL. II	N63-15043	11-25
WADD-TR-61-72,V. XV	N63-22125	22-19
WADD-TR-61-72, VOL. VI	N63-15044	11-19
WADD-TR-61-72, VOL. VIII	N63-10630	02-19
WADD-TR-61-72, VOL. X	N63-10557	01-19
WADD-TR-61-72, VOL. XI	N63-10714	02-19
WADD-TR-61-91, PT. II	N63-14877	11-19
WADD-TR-61-91, PT. III	N63-17117	15-17
WAL-TR-110.9/1	N63-19615	19-18
WAL-TR-111.2/20-1	N63-15383	12-18
WAL-TR-129.1/1	N63-15456	12-18
WAL-TR-142.5/1-3	N63-15955	13-17
WAL-TR-142.5/1-4	N63-10713	02-17
WAL-TR-142.5/2-1	N63-15420	12-17
WAL-TR-310.22/3	N63-20461	20-18
WAL-TR-311.1/1	N63-15854	13-18
WAL-TR-320.1/9	N63-15459	12-18
WAL TR 320.1/10	N63-15625	12-18
WAL-TR-320.1/11	N63-14225	09-18
WAL-TR-320.1/12	N63-17956	16-18
WAL-TR-323.4/2	N63-20001	19-18
WAL-TR-323.4/2-2	N63-19081	18-18
WAL-TR-340.2/1	N63-15468	12-18
WAL-TR-371.9/5	N63-16587	14-27
WAL-TR-371/50	N63-11230	03-18
WAL-TR-371/51	N63-11231	03-18
WAL-TR-371/52	N63-11232	03-18
WAL-TR-371/53	N63-11233	03-18
WAL-TR-372.32-1	N63-16192	13-18
WAL-TR-372/32-3-T1	N63-12376	06-18
WAL-TR-372/32-3-T3	N63-12377	06-18
WAL-TR-372/32-5, T-3	N63-15199	11-18
WAL-TR-401/303	N63-13128	07-18
WAL-TR-401.54/2-2 W	N63-11442	03-17
WAL-TR-401.54/2-4 W	N63-12105	05-17
WAL-TR-405/2	N63-15073	11-18
WAL-TR-405.2/1	N63-19624	19-18
WAL-TR-405/2-2	N63-22722	23-18
WAL-TR-460.54/1-2	N63-13980	09-17
WAL-TR-465.54/4	N63-15911	13-27
WAL-TR-650/1	N63-12304	05-18
WAL-TR-766.2/1-7	N63-11439	03-27
WAL-TR-766.2/1-8	N63-11988	05-27
WAL-TR-766.2/1-9	N63-18144	16-17
WAL-TR-766.2/1-10	N63-23003	24-18
WAL-TR-766.2/3-2	N63-15760	12-17
WAL-TR-766.2/3-3	N63-16938	14-34
WAL-TR-766.5/2	N63-16183	13-18
WAL-TR-766.41/2-2	N63-15667	12-27
WAL-TR-766.41/2-3	N63-11441	03-27
WAL-TR-766.41/3	N63-15352	12-27
WAL-TR-811.6/1	N63-15612	12-19
WAL-TR-823.3/1	N63-17022	15-18
WAL-TR-830.5/5	N63-13135	07-23
WAL-TR-832/1-5	N63-15313	12-19
WAL-TR-834.2/9	N63-19530	19-18
WAL-TR-834.2/11	N63-13054	07-18
WAL-TR-834.2/11-1	N63-13529	08-17
WAL-TR-834.12/2	N63-12166	05-18
WAL-TR-834.12/2-1	N63-15974	13-18
WAL-TR-834.12/2-2	N63-20026	19-18
WAL-TR-850/13	N63-11443	03-33
WAL-TR-851.5/1	N63-11434	03-19
WAL-TR-893.3/4	N63-19445	19-33
WANL-PR-M-004	N63-19144	18-18
WANL-PR-M-005	N63-20125	20-18
WANL-PR-M-006	N63-23348	24-18
WAPD-230	N63-15206	11-33
WAPD-245	N63-18732	17-17
WAPD-270	N63-19295	18-25
WAPD-BT-27	N63-11937	04-23
WAPD-BT-28	N63-15261	12-10
WAPD-MRP-101	N63-12414	06-10
WAPD-TM-294	N63-11629	04-20
WAPD-TM-302	N63-18263	17-11
WAPD-TM-313	N63-22673	23-23
WAPD-TM-323	N63-11829	04-17
WAPD-TM-332	N63-13041	07-26
WAPD-TM-333	N63-16951	14-23
WAPD-TM-342	N63-12737	06-11
WAPD-TM-350	N63-14021	09-23
WAPD-TM-351	N63-19797	19-07
WAPD-TM-352	N63-14052	09-20
WAPD-TM-356	N63-16452	14-20
WAPD-TM-363	N63-13933	09-20
WAPD-TM-364	N63-13934	09-20
WAPD-TM-365	N63-15373	12-20
WAPD-TM-367	N63-17103	15-20
WAPD-TM-396	N63-23800	24-23
WB-WORKING PAPER 150-2S	N63-20617	20-22
WDL-TR-E112-3	N63-18487	17-10
WDL-TR-E114-2	N63-18413	17-32
WDL-TR-E120	N63-18255	17-32
WDL-TR-E121	N63-18412	17-32
WGL-2-1962	N63-21007	21-26
WGL-3/1962	N63-20126	20-03
WGL-4/1962	N63-20162	20-19
WGL-5/1962	N63-20803	21-15
WGL PAPER-1	N63-10001	01-29
WGL PAPER-2	N63-10002	01-12
WGL PAPER-3	N63-10012	01-03
WGL PAPER-4	N63-10003	01-08
WGL PAPER-5	N63-10004	01-03
WGL PAPER-6	N63-10005	01-04
WGL PAPER-7	N63-10006	01-04
WGL PAPER-8	N63-10007	01-04
WGL PAPER-10	N63-10008	01-09
WGL PAPER-11	N63-10009	01-03
WGL PAPER-12	N63-10010	01-03
WGL PAPER-13	N63-10011	01-02
WGL PAPER-15	N63-10013	01-15
WGL PAPER-16	N63-10014	01-11
WGL PAPER-17	N63-10015	01-11
WGL PAPER-18	N63-10016	01-13
WGL PAPER-19	N63-10017	01-03
WGL PAPER-20	N63-10018	01-03
WGL PAPER-21	N63-10019	01-22
WGL PAPER-22	N63-10020	01-06
WGL PAPER-23	N63-10021	01-02
WGL PAPER-24	N63-10022	01-02
WGL PAPER-25	N63-10023	01-02
WGL PAPER-26	N63-10024	01-03
WGL PAPER-27	N63-10025	01-04
WGL PAPER-28	N63-10026	01-11
WGL PAPER-29	N63-10027	01-04
WGL PAPER-30	N63-10028	01-04
WGL PAPER-31	N63-10029	01-04
WGL PAPER-34	N63-10030	01-34
WGL PAPER-35	N63-10031	01-33
WGL PAPER-36	N63-10032	01-22
WGL PAPER-37	N63-10033	01-22
WGL PAPER-38	N63-10034	01-22
WGL PAPER-39	N63-10035	01-22
WGL PAPER-40	N63-10036	01-30
WGL PAPER-41	N63-10037	01-08
WGL PAPER-42	N63-10038	01-08
WGL PAPER-43	N63-10039	01-20
WGL PAPER-44	N63-10040	01-08
WGL PAPER-45	N63-10041	01-15
WGL PAPER-46	N63-10042	01-20
WGL PAPER-48	N63-10043	01-20
WGL PAPER-49	N63-10044	01-27
WGL PAPER-50	N63-10045	01-27
WGL PAPER-51	N63-10046	01-03
WGL PAPER-52	N63-10047	01-23
WGL PAPER-53	N63-10048	01-27

WGL PAPER-54	N63-10049	01-27
WGL PAPER-55	N63-10050	01-27
WGL PAPER-56	N63-10051	01-21
WGL PAPER-57	N63-10052	01-16
WGL PAPER-58	N63-10053	01-22
WGL PAPER-59	N63-10054	01-20
WGL PAPER-60	N63-10055	01-17
WGL PAPER-61	N63-10056	01-17
WGL PAPER-62	N63-10057	01-03
WGL PAPER-63	N63-10058	01-16
WGL PAPER-64	N63-10059	01-16
WGL PAPER-65	N63-10060	01-16
WGL PAPER-66	N63-10061	01-16
WGL PAPER-68	N63-10062	01-03
WGL PAPER-70	N63-10063	01-06
WGL PAPER-71	N63-10064	01-11
WGL PAPER-73	N63-10065	01-04
WGL PAPER-74	N63-10066	01-33
WGL PAPER-75	N63-10067	01-03
WGLR-1/1963	N63-20180	20-15
WGLR-2/1963	N63-20151	20-04
WGLR-3/1963	N63-20159	20-04
WGLR-4/1963	N63-20226	20-31
WGLR-5/1963	N63-19994	19-33
WIS-AF-20, SER. 3	N63-11641	04-20
WIS-TCI-4, SER. 3	N63-10502	01-07
WIS-TCI-5, SER. 3	N63-11001	03-20
WIS-TCI-6, SER. 2	N63-12354	06-11
WIS-TCI-7, SER. 2	N63-12340	05-20
WIS-TCI-8, SER. 3	N63-12812	06-23
WIS-TCI-10, SER. 3	N63-14065	09-07
WIS-TCI-11, SER. 3	N63-14066	09-23
WIS-TCI-12	N63-14924	11-23
WIS-TCI-20	N63-20211	20-20
WIS-TCI-23	N63-19947	19-23
WPD-6	N63-10321	01-09
WRE-TM-TRD-63	N63-18125	16-12
WRU-110	N63-17653	16-16
WSS/CI PAPER-62-24	N63-14904	11-26
WSS/CI PAPER 63-1	N63-21805	22-26
XAR-A-45	N63-23134	24-11
Y-1272	N63-19986	19-01
Y-1400	N63-14977	11-20
Y-1403	N63-14286	10-15
Y-1409	N63-12636	06-17
Y-1410	N63-12496	06-13
Y-1413	N63-15517	12-18
Y-1414	N63-14792	11-17
Y-1415	N63-14793	11-23
Y-1417	N63-20432	20-18
Y-1418	N63-21898	22-34
Y-1420	N63-19895	19-20
Y-F011-05-329	N63-16049	13-23
ZH-150	N63-21417	22-04

ACCESSION/REPORT NUMBER INDEX

Listing of Accession Numbers

This list of accession numbers may be used to locate the STAR issue and subject category in which a specific abstract appears, as well as to identify the accessioned report. Accession numbers are arranged in ascending order, followed by a four digit number for locating the abstract. The first two digits identify the specific issue of STAR, and the two digits after the hyphen identify the subject category in that issue under which the abstract appears. Report numbers are given for cross-reference purposes at the right side of each column.

N63-10001	01-29	WGL PAPER-1
N63-10002	01-12	WGL PAPER-2
N63-10003	01-08	WGL PAPER-4
N63-10004	01-03	WGL PAPER-5
N63-10005	06-04	WGL PAPER-6
N63-10006	01-04	WGL PAPER-7
N63-10007	01-04	WGL PAPER-8
N63-10008	01-09	WGL PAPER-10
N63-10009	01-03	WGL PAPER-11
N63-10010	01-03	WGL PAPER-12
N63-10011	01-02	WGL PAPER-13
N63-10012	01-03	DFL-62/35
N63-10013	01-15	WGL PAPER-15
N63-10014	01-11	FM-158
N63-10015	01-11	WGL PAPER-17
N63-10016	01-13	WGL PAPER-18
N63-10017	01-03	WGL PAPER-19
N63-10018	01-03	WGL PAPER-20
N63-10019	01-22	WGL PAPER-21
N63-10020	01-06	WGL PAPER-22
N63-10021	01-02	WGL PAPER-23
N63-10022	01-02	WGL PAPER-24
N63-10023	01-02	WGL PAPER-25
N63-10024	01-03	WGL PAPER-26
N63-10025	01-04	WGL PAPER-27
N63-10026	01-11	WGL PAPER-28
N63-10027	01-04	WGL PAPER-29
N63-10028	01-04	WGL PAPER-30
N63-10029	01-04	WGL PAPER-31
N63-10030	01-34	WGL PAPER-34
N63-10031	01-33	WGL PAPER-35
N63-10032	01-22	WGL PAPER-36
N63-10033	01-22	WGL PAPER-37
N63-10034	01-22	WGL PAPER-38
N63-10035	01-22	WGL PAPER-39
N63-10036	01-30	WGL PAPER-40
N63-10037	01-08	WGL PAPER-41
N63-10038	01-08	WGL PAPER-42
N63-10039	01-20	WGL PAPER-43
N63-10040	01-08	WGL PAPER-44
N63-10041	01-15	WGL PAPER-45
N63-10042	01-20	WGL PAPER-46
N63-10043	01-20	WGL PAPER-48
N63-10044	01-27	WGL PAPER-49
N63-10045	01-27	WGL PAPER-50
N63-10046	01-03	WGL PAPER-51
N63-10047	01-23	WGL PAPER-52
N63-10048	01-27	WGL PAPER-53
N63-10049	01-27	WGL PAPER-54
N63-10050	01-27	WGL PAPER-55
N63-10051	01-21	WGL PAPER-56
N63-10052	01-16	WGL PAPER-57
N63-10053	01-22	WGL PAPER-58
N63-10054	01-20	WGL PAPER-59
N63-10055	01-17	WGL PAPER-60
N63-10056	01-17	WGL PAPER-61
N63-10057	01-03	WGL PAPER-62
N63-10058	01-16	WGL PAPER-63
N63-10059	01-16	WGL PAPER-64
N63-10060	01-16	WGL PAPER-65
N63-10061	01-16	WGL PAPER-66
N63-10062	01-03	WGL PAPER-68
N63-10063	01-06	WGL PAPER-70
N63-10064	01-11	WGL PAPER-71
N63-10065	01-04	WGL PAPER-73
N63-10066	01-33	MP-214
N63-10067	01-03	MP-215
N63-10068	01-02	BSD-TDR-62-105
N63-10069	01-12	AFCRL-62-1001
N63-10070	01-23	MURA-644
N63-10071	01-23	MURA-645
N63-10072	01-34	DAC-31041
N63-10073	01-19	CDRL-SP-4-34
N63-10074	01-10	UCRL-7036, PT. 8
N63-10075	01-14	AMRL-TDR-62-100
N63-10076	01-20	SDR-62-1
N63-10077	01-15	JPRS-16134
N63-10078	01-19	RS-277
N63-10079	01-30	JPL-TR-32-303
N63-10080	01-09	R-151
N63-10081	01-09	R-153
N63-10082	01-24	D1-82-0192
N63-10083	01-08	NO REPORT NUMBER
N63-10084	01-17	NO REPORT NUMBER
N63-10085	01-33	NO REPORT NUMBER
N63-10086	01-33	NO REPORT NUMBER
N63-10087	01-26	PA-TM-1001
N63-10088	01-21	AFCRL-62-746
N63-10089	01-11	FLIGHT SCIENCES LAB. TM-8
N63-10090	01-07	NO REPORT NUMBER
N63-10091	01-34	ASD-TDR-763
N63-10092	01-13	BRN-1-P
N63-10093	01-23	BRN-2-P
N63-10094	01-01	AMRL-TDR-62-85
N63-10095	01-11	BSD-TDR-62-107
N63-10096	01-17	MTI-62TR20
N63-10097	01-20	NO REPORT NUMBER
N63-10098	01-22	NO REPORT NUMBER
N63-10099	01-19	NO REPORT NUMBER
N63-10100	01-15	DI-82-0165
N63-10101	01-25	DI-82-0202
N63-10102	01-17	DMIC-MEMO-152
N63-10103	01-18	GEMP-17A
N63-10104	01-28	AFCRL-62-651
N63-10105	01-28	AFCRL-62-652
N63-10106	01-28	AFCRL-62-674
N63-10107	01-28	AFCRL-62-675
N63-10108	01-22	AFCRL-62-744
N63-10109	01-13	BSD-TDR-62-165
N63-10110	01-18	NAVWEPS-7390
N63-10111	01-19	NOLTR-62-1
N63-10112	01-19	RDR-1266-6
N63-10113	01-33	SURI-TR-834/11/ NO. 4
N63-10114	01-04	NAMC-ACEL-488
N63-10115	01-23	UCRL-7032
N63-10116	01-20	AFCRL-62-397
N63-10117	01-28	AFCRL-62-1010
N63-10118	01-29	AFCRL-62-1031
N63-10119	01-28	AFCRL-62-1044
N63-10120	01-23	AFCRL-62-1045
N63-10121	01-23	AFCRL-62-1046
N63-10122	01-29	AFCRL-62-1049
N63-10123	01-23	AFCRL-62-1065
N63-10124	01-27	GAMD-3629
N63-10125	01-17	MTI-62TR22
N63-10126	01-18	BM-RI-6095
N63-10127	01-18	BM-RI-6101
N63-10128	01-15	ARL-62-406
N63-10129	01-23	NO REPORT NUMBER
N63-10130	01-32	AMRL-TDR-62-103
N63-10131	01-15	AEDC-TDR-62-213
N63-10132	01-13	AEDC-TDR-62-218
N63-10133	01-02	ASD-TDR-62-463
N63-10134	01-12	AFCRL-62-902
N63-10135	01-12	AFCRL-62-903
N63-10136	01-15	AFCRL-62-550
N63-10137	01-09	AFCRL-62-320
N63-10138	01-11	ARC-19865
N63-10139	01-02	ARC-CP-611
N63-10140	01-26	NOLTR-61-29
N63-10141	01-23	UCRL-10294
N63-10142	01-29	ARF-1200-3

N63-10143	01-29	JPL-TR-32-293
N63-10144	01-17	R-3703-2
N63-10145	01-09	AFCRL-62-905
N63-10146	01-23	AFCRL-62-162
N63-10147	01-12	AFCRL-62-734
N63-10148	01-10	ASD-TDR-62-461
N63-10149	01-26	ASD-TDR-62-526
N63-10150	01-23	ASD-TDR-62-683
N63-10151	01-16	AMRL-TDR-62-91
N63-10152	01-16	AMRL-TDR-62-98/I/
N63-10153	01-02	HSA-86
N63-10154	01-18	R-1652
N63-10155	01-11	STR-MAR-100
N63-10156	01-20	AROD-2763-12
N63-10157	01-18	APEX-913
N63-10158	01-23	GEAP-3766
N63-10159	01-23	NO REPORT NUMBER
N63-10160	01-17	NO REPORT NUMBER
N63-10161	01-34	TO-B-62-3
N63-10162	01-17	RIA-62-3183
N63-10163	01-19	PLASTEC-5
N63-10164	01-08	NO REPORT NUMBER
N63-10165	01-01	NO REPORT NUMBER
N63-10166	01-20	NO REPORT NUMBER
N63-10167	01-11	IER SER. 173, ISSUE 5
N63-10168	01-12	NO REPORT NUMBER
N63-10169	01-17	NO REPORT NUMBER
N63-10170	01-19	PLASTEC-12
N63-10171	01-07	NO REPORT NUMBER
N63-10172	01-17	NO REPORT NUMBER
N63-10173	01-13	NASA-TN-D-1435
N63-10174	01-25	NASA-TN-D-1438
N63-10175	01-13	NASA-TN-D-1440
N63-10176	01-15	NASA-TN-D-1451
N63-10177	01-08	NASA-TN-D-1471
N63-10178	01-02	NASA-TN-D-1497
N63-10179	01-33	NASA-TN-D-1513
N63-10180	01-06	NASA-TN-D-1532
N63-10181	01-14	NASA-TN-D-1552
N63-10182	01-09	NASA-TN-D-1589
N63-10183	01-15	AMRL-TDR-62-88
N63-10184	01-14	AMRL-TDR-62-93
N63-10185	01-14	AMRL-TDR-62-106
N63-10186	01-16	AMRL-TDR-62-119
N63-10187	01-16	AMRL-TDR-62-120
N63-10188	01-33	ASRL-TR-94-4
N63-10189	01-12	RAD-TM-62-8
N63-10190	01-20	AFCRL-62-770
N63-10191	01-12	AFCRL-62-1018
N63-10192	01-16	NADC-MA-6212
N63-10193	01-16	NADC-MA-6213
N63-10194	01-17	ASD-TR-61-705
N63-10195	01-07	NO REPORT NUMBER
N63-10196	01-05	NO REPORT NUMBER
N63-10197	01-26	NO REPORT NUMBER
N63-10198	01-04	NO REPORT NUMBER
N63-10199	01-03	NASA-TN-D-1482
N63-10200	01-04	NASA-TN-D-1491
N63-10201	01-22	NASA-TN-D-1528
N63-10202	01-20	NASA-TN-D-1590
N63-10203	01-14	AMRL-TDR-62-105
N63-10204	01-15	NASA-TN-D-1097
N63-10205	01-33	NASA-TN-D-1485
N63-10206	01-11	NASA-TN-D-1507
N63-10207	01-13	NASA-TN-D-1550
N63-10208	01-15	SELWS-E-104
N63-10209	01-21	NSSP-9
N63-10210	01-07	AEC-TR-4501
N63-10211	01-05	NO REPORT NUMBER
N63-10212	01-21	AFCRL-62-469
N63-10213	01-15	BRL-MEMO-1425
N63-10214	01-07	AFCRL-62-1016
N63-10215	01-11	NO REPORT NUMBER
N63-10216	01-11	NO REPORT NUMBER
N63-10217	01-09	AMC-RG-TR-62-4
N63-10218	01-11	JPL-TR-32-344
N63-10219	01-04	NASA-TR-T-124
N63-10220	01-05	NO REPORT NUMBER
N63-10221	01-28	NO REPORT NUMBER
N63-10222	01-05	NO REPORT NUMBER
N63-10223	01-28	NO REPORT NUMBER
N63-10224	01-05	NO REPORT NUMBER
N63-10225	01-05	NO REPORT NUMBER
N63-10226	01-12	NO REPORT NUMBER
N63-10227	01-12	NO REPORT NUMBER
N63-10228	01-05	NO REPORT NUMBER
N63-10229	01-05	NO REPORT NUMBER
N63-10230	01-01	NO REPORT NUMBER
N63-10231	01-30	NO REPORT NUMBER
N63-10232	01-31	NO REPORT NUMBER
N63-10233	01-12	NO REPORT NUMBE
N63-10234	01-12	NO REPORT NUMBE
N63-10235	01-23	NO REPORT NUMBE
N63-10236	01-11	NO REPORT NUMB
N63-10237	01-28	NO REPORT NUMB
N63-10238	01-34	NO REPORT NUMB
N63-10239	01-16	NO REPORT NUMB
N63-10240	01-10	NO REPORT NUMB
N63-10241	01-10	NO REPORT NUMB
N63-10242	01-10	NO REPORT NUMB
N63-10243	01-14	NO REPORT NUMBE
N63-10244	01-32	NO REPORT NUMBE
N63-10245	01-29	JPL-TR-32-2
N63-10246	01-20	JPL-TR-32-252, ADD.
N63-10247	01-23	JPL-TR-32-34
N63-10248	01-27	JPL-TR-32-3
N63-10249	01-08	JPL-TR-32-3
N63-10250	01-25	JPL-TR-32-3
N63-10251	01-29	ARS PAPER-2464-6
N63-10252	01-06	ARS PAPER-2498-6
N63-10253	01-06	ARS PAPER-2499-6
N63-10254	01-06	ARS PAPER-2502-6
N63-10255	01-06	ARS PAPER-2504-6
N63-10256	01-06	ARS PAPER-2505-6
N63-10257	01-06	ARS PAPER-2508-6
N63-10258	01-06	ARS PAPER-2509-6
N63-10259	01-06	ARS PAPER-2510-6
N63-10260	01-06	ARS PAPER-2522-6
N63-10261	01-06	ARS PAPER-2531-6
N63-10262	01-06	ARS PAPER-2535-6
N63-10263	01-06	ARS PAPER-2536-6
N63-10264	01-06	ARS PAPER-2538-6
N63-10265	01-06	ARS PAPER-2543-6
N63-10266	01-06	ARS PAPER-2545-6
N63-10267	01-06	ARS PAPER-2547-6
N63-10268	01-06	ARS PAPER-2548-6
N63-10269	01-06	ARS PAPER-2550-6
N63-10270	01-06	ARS PAPER-2563-6
N63-10271	01-06	ARS PAPER-2564-6
N63-10272	01-06	ARS PAPER-2566-6
N63-10273	01-06	ARS PAPER-2567-6
N63-10274	01-06	ARS PAPER-2571-6
N63-10275	01-12	AID-62-16
N63-10276	01-12	AID-62-17
N63-10277	01-21	AID-62-17
N63-10278	01-33	AID-62-18
N63-10279	01-15	AID-62-18
N63-10280	01-23	ARL-62-40
N63-10281	01-23	MRL-12
N63-10282	01-18	DMIC-MEMO-16
N63-10283	01-16	AMRL-TDR-62-9
N63-10284	01-15	AF-9
N63-10285	01-04	DTMB-AERO-101
N63-10286	01-20	AFCRL-62-82
N63-10287	01-20	ARL-62-373, PT.
N63-10288	01-20	ARL-62-373, PT. I
N63-10289	01-18	DRI-206
N63-10290	01-15	NO REPORT NUMBE
N63-10291	01-15	ARL-62-41
N63-10292	01-14	AMRL-TDR-62-8
N63-10293	01-14	AMRL-TDR-62-10
N63-10294	01-18	ASD-TDR-62-23
N63-10295	01-12	AFCRL-62-103
N63-10296	01-05	AFCRL-62-88
N63-10297	01-04	FTD-TT-62-451/1&2&3&
N63-10298	01-22	FTD-TT-62-1073/1&
N63-10299	01-22	NO REPORT NUMBE
N63-10300	01-22	NO REPORT NUMBE
N63-10301	01-09	FTD-TT-62-877/1&2&
N63-10302	01-23	FTD-TT-62-981/1&
N63-10303	01-05	FTD-TT-62-1076/1&
N63-10304	01-08	FTD-TT-62-1140/1&
N63-10305	01-09	FTD-TT-61-465/1&2&
N63-10306	01-16	FTD-TT-62-1203/1&
N63-10307	01-11	FTD-TT-62-1049/1,2&
N63-10308	01-16	FTD-TT-62-771/1&2&
N63-10309	01-06	MND-P-2483-
N63-10310	01-25	MRL-12
N63-10311	01-18	NMI-952
N63-10312	01-12	SUI-62-23-
N63-10313	01-08	SSD-TDR-62-15
N63-10314	01-03	SUDAER-13
N63-10315	01-25	NO REPORT NUMBE
N63-10316	01-15	USNRDL-TR-54
N63-10317	01-24	MATT-14
N63-10318	01-20	RM-3353-NAS
N63-10319	01-24	MATT-14
N63-10320	01-32	JPRS-1618
N63-10321	01-09	WPD-
N63-10322	01-16	SAM-TDR-62-7

N63-10323 01-07 ..... ARL-62-426
N63-10324 01-20 ..... NO REPORT NUMBER
N63-10325 01-23 ..... NO REPORT NUMBER
N63-10326 01-26 ..... ARS PAPER-2514-62
N63-10327 01-27 ..... NASA-TN-D-1321
N63-10328 01-32 ..... NASA-TN-D-1511
N63-10329 01-29 ..... NASA-TN-D-1512
N63-10330 01-17 ..... FTD-TT-62-1143/1&2&4
N63-10331 01-24 ..... FTD-TT-62-1187/1&2&4
N63-10332 01-13 ..... JPL-TR-32-269
N63-10333 01-20 ..... JPL-TR-32-337
N63-10334 01-29 ..... JPL-SPS-37-17, VOL. VI
N63-10335 01-29 ..... JPL-TR-32-264
N63-10336 01-11 ..... NASA-TN-D-1439
N63-10337 01-16 ..... MH-AERO-2662-TR2
N63-10338 01-09 ..... FTD-TT-62-973/1&2&4
N63-10339 01-08 ..... FTD-TT-61-351/1&2&4
N63-10340 01-18 ..... FTD-TT-62-1256/1&2
N63-10341 01-27 ..... FTD-TT-61-464/1&2&4
N63-10342 01-08 ..... FTD-TT-62-1139/1&2
N63-10343 01-15 ..... FTD-TT-62-1062/1&2&4
N63-10344 01-13 ..... FTD-TT-62-971/1&2
N63-10345 01-11 ..... FTD-TT-62-1031/1&2&4
N63-10346 01-13 ..... FTD-TT-62-1413/1&2
N63-10347 01-24 ..... FTD-TT-62-1186/1&2&4
N63-10348 01-25 ..... FTD-TT-62-885/1&2&4
N63-10349 01-23 ..... FTD-TT-62-1174/1&2&4
N63-10350 01-20 ..... FTD-TT-62-1149/1&2&4
N63-10351 01-03 ..... FTD-TT-62-1151/1&2&4
N63-10352 01-33 ..... FTD-TT-62-720/1&2&4
N63-10353 01-19 ..... FTD-TT-62-1213/1&2
N63-10354 01-26 ..... FTD-TT-62-1037/1&2&4
N63-10355 01-09 ..... FTD-TT-62-784/1&2
N63-10356 01-23 ..... FTD-TT-62-1391/1&2
N63-10357 01-11 ..... K-1531
N63-10358 01-17 ..... NO REPORT NUMBER
N63-10359 01-19 ..... NO REPORT NUMBER
N63-10360 01-23 ..... HW-75147
N63-10361 01-24 ..... MATT-133
N63-10362 01-15 ..... NO REPORT NUMBER
N63-10363 01-16 ..... JPRS-16205
N63-10364 01-15 ..... JPRS-16197
N63-10365 01-20 ..... JPRS-16239
N63-10366 01-25 ..... AROD-1931-5
N63-10367 01-25 ..... AROD-2838-1
N63-10368 01-17 ..... FTD-TT-62-789/1&2
N63-10369 01-28 ..... NASA-TN-D-1447
N63-10370 01-01 ..... AM-84
N63-10371 01-32 ..... NO REPORT NUMBER
N63-10372 01-29 ..... NO REPORT NUMBER
N63-10373 01-29 ..... NO REPORT NUMBER
N63-10374 01-29 ..... NO REPORT NUMBER
N63-10375 01-29 ..... NO REPORT NUMBER
N63-10376 01-27 ..... NO REPORT NUMBER
N63-10377 01-27 ..... NO REPORT NUMBER
N63-10378 01-30 ..... NO REPORT NUMBER
N63-10379 01-30 ..... NO REPORT NUMBER
N63-10380 01-13 ..... NO REPORT NUMBER
N63-10381 01-26 ..... NO REPORT NUMBER
N63-10382 01-13 ..... NO REPORT NUMBER
N63-10383 01-27 ..... NO REPORT NUMBER
N63-10384 01-30 ..... NO REPORT NUMBER
N63-10385 01-13 ..... NO REPORT NUMBER
N63-10386 01-20 ..... NO REPORT NUMBER
N63-10387 01-17 ..... NO REPORT NUMBER
N63-10388 01-34 ..... NO REPORT NUMBER
N63-10389 01-01 ..... MRL-TDR-62-14
N63-10390 01-31 ..... NO REPORT NUMBER
N63-10391 01-22 ..... NO REPORT NUMBER
N63-10392 01-30 ..... NO REPORT NUMBER
N63-10393 01-20 ..... NO REPORT NUMBER
N63-10394 01-31 ..... NO REPORT NUMBER
N63-10395 01-16 ..... NO REPORT NUMBER
N63-10396 01-16 ..... NO REPORT NUMBER
N63-10397 01-20 ..... NO REPORT NUMBER
N63-10398 01-20 ..... NO REPORT NUMBER
N63-10399 01-08 ..... NO REPORT NUMBER
N63-10400 01-20 ..... NO REPORT NUMBER
N63-10401 01-20 ..... NO REPORT NUMBER
N63-10402 01-08 ..... NO REPORT NUMBER
N63-10403 01-29 ..... APGC-TDR-62-65
N63-10404 01-29 ..... APGC-TDR-62-67
N63-10405 01-23 ..... ITP-74
N63-10406 01-25 ..... NO REPORT NUMBER
N63-10407 01-23 ..... ANL-6603
N63-10408 01-29 ..... AID-62-179
N63-10409 01-10 ..... ARL-62-393
N63-10410 01-18 ..... BM-RI-6116
N63-10411 01-20 ..... BN-296
N63-10412 01-08 ..... NO REPORT NUMBER
N63-10413 01-20 ..... NO REPORT NUMBER
N63-10414 01-20 ..... NO REPORT NUMBER
N63-10415 01-08 ..... NO REPORT NUMBER
N63-10416 01-09 ..... FTD-TT-62-481/1&2&4
N63-10417 01-33 ..... AFOSR-TN-2256
N63-10418 01-33 ..... AFOSR-1310
N63-10419 01-01 ..... MLM-1129
N63-10420 01-01 ..... MLM-1133
N63-10421 01-01 ..... MLM-1135
N63-10422 01-06 ..... ASD-TDR-62-553
N63-10423 01-20 ..... NWL-1796
N63-10424 01-23 ..... NO REPORT NUMBER
N63-10425 01-26 ..... PA-TR-3013
N63-10426 01-17 ..... NRL-TM-214
N63-10427 01-29 ..... NO REPORT NUMBER
N63-10428 01-05 ..... JPL-TR-32-245
N63-10429 01-09 ..... AFCRL-62-513
N63-10430 01-20 ..... AFSWC-TDR-62-106
N63-10431 01-25 ..... AFCRL-62-774/B/
N63-10432 01-25 ..... AFCRL-62-774/A/
N63-10433 01-16 ..... SAM-62-52
N63-10434 01-20 ..... SAM-62-81
N63-10435 01-12 ..... NO REPORT NUMBER
N63-10436 01-19 ..... CRDL-SP-5-1
N63-10437 01-09 ..... AFCRL-62-110
N63-10438 01-06 ..... GA-2823
N63-10439 01-27 ..... TR-AE-6204
N63-10440 01-32 ..... FTD-TT-62-844/1&2
N63-10441 01-23 ..... FTD-TT-62-1392/1&2
N63-10442 01-23 ..... FTD-TT-62-761/1&2&4
N63-10443 01-23 ..... FTD-TT-62-1218/1&2
N63-10444 01-08 ..... FTD-TT-62-1007/1&2
N63-10445 01-15 ..... FTD-TT-62-1178/1&2
N63-10446 01-22 ..... FTD-TT-62-876/1&2&4
N63-10447 01-13 ..... FTD-TT-62-1175/1&2&4
N63-10448 01-27 ..... FTD-TT-62-1166/1&2
N63-10449 01-24 ..... FTD-TT-62-1219/1&2
N63-10450 01-18 ..... AROD-2205-4
N63-10451 01-16 ..... AMRL-TDR-62-102
N63-10452 01-06 ..... NO REPORT NUMBER
N63-10453 01-08 ..... FTD-TT-62-623/1&2
N63-10454 01-11 ..... TRG-153-SR-1
N63-10455 01-22 ..... SAD-93
N63-10456 01-03 ..... ARC-R&M-3287
N63-10457 01-17 ..... NO REPORT NUMBER
N63-10458 01-13 ..... NO REPORT NUMBER
N63-10459 01-12 ..... NO REPORT NUMBER
N63-10460 01-12 ..... NO REPORT NUMBER
N63-10461 01-23 ..... UCRL-6769
N63-10462 01-08 ..... ERB-619
N63-10463 01-20 ..... RADC-TDR-62-449
N63-10464 01-08 ..... RADC-TDR-62-391
N63-10465 01-23 ..... LAMS-2770
N63-10466 01-03 ..... NA-62-1110
N63-10467 01-16 ..... RAE-TRANS-1011
N63-10468 01-16 ..... AMRL-TDR-62-109
N63-10469 01-16 ..... AMRL-TDR-62-110
N63-10470 01-33 ..... ASD-TDR-62-462
N63-10471 01-33 ..... ASD-TDR-62-409
N63-10472 01-16 ..... AMRL-TDR-62-81
N63-10473 01-33 ..... R-275
N63-10474 01-19 ..... NO REPORT NUMBER
N63-10475 01-09 ..... NO REPORT NUMBER
N63-10476 01-20 ..... NO REPORT NUMBER
N63-10477 01-13 ..... ARL-62-423
N63-10478 01-18 ..... AEC-TR-5264
N63-10479 01-04 ..... A-110052-5
N63-10480 01-06 ..... ASD-TDR-62-398
N63-10481 01-08 ..... ASD-TR-61-553
N63-10482 01-15 ..... EID-119
N63-10483 01-12 ..... SC-4735/RR/
N63-10484 01-23 ..... NO REPORT NUMBER
N63-10485 01-11 ..... NO REPORT NUMBER
N63-10486 01-12 ..... NO REPORT NUMBER
N63-10487 01-28 ..... NO REPORT NUMBER
N63-10488 01-25 ..... NO REPORT NUMBER
N63-10489 01-23 ..... NO REPORT NUMBER
N63-10490 01-28 ..... AFCRL-62-827
N63-10491 01-20 ..... NO REPORT NUMBER
N63-10492 01-02 ..... NO REPORT NUMBER
N63-10493 01-27 ..... NO REPORT NUMBER
N63-10494 01-27 ..... NASA-TN-D-1126
N63-10495 01-29 ..... NO REPORT NUMBER
N63-10496 01-29 ..... NASA-TN-D-1347
N63-10497 01-20 ..... NO REPORT NUMBER
N63-10498 01-23 ..... NO REPORT NUMBER
N63-10499 01-21 ..... CER-62ERR62
N63-10500 01-24 ..... UCRL-6879
N63-10501 01-23 ..... KAPL-2225
N63-10502 01-07 ..... WIS-TCI-4, SER. 3

N63-10503	01-19	T&AM-234
N63-10504	01-23	UCRL-10477
N63-10505	01-12	RM-3347-NASA
N63-10506	01-26	E173-62
N63-10507	01-25	AFCRL-62-772
N63-10508	01-29	SAO SPECIAL REPT.-103
N63-10509	01-29	SAO SPECIAL REPT.-102
N63-10510	01-29	SAO SPECIAL REPT.-101
N63-10511	01-13	R62SD86
N63-10512	01-15	EOS-2230-Q-2
N63-10513	01-20	NO REPORT NUMBER
N63-10514	01-27	NO REPORT NUMBER
N63-10515	01-13	R62SD72
N63-10516	01-19	ASD-TDR-62-794
N63-10517	01-24	NO REPORT NUMBER
N63-10518	01-23	TID-3525 /REV. 4/
N63-10519	01-23	FTD-TT-62-625/1&2
N63-10520	01-18	FTD-TT-62-134/1
N63-10521	01-20	FTD-TT-62-871/1&2
N63-10522	01-08	FTD-TT-62-888/1&2&4
N63-10523	01-13	AEC-TR-4511
N63-10524	01-16	CARI-62-17
N63-10525	01-33	ARL 62-434
N63-10526	01-01	JPRS-16455
N63-10527	01-08	NO REPORT NUMBER
N63-10528	01-20	NO REPORT NUMBER
N63-10529	01-20	NO REPORT NUMBER
N63-10530	01-11	NO REPORT NUMBER
N63-10531	01-24	ARS PAPER-2376-62
N63-10532	01-33	NASA-TT-F-85
N63-10533	01-04	NASA-TN-D-1509
N63-10534	01-13	NASA-TN-D-1503
N63-10535	01-10	NASA-TN-D-1495
N63-10536	01-32	NASA-TN-D-1558
N63-10537	01-03	NASA-TN-D-1517
N63-10538	01-20	JPRS-16490
N63-10539	01-12	JPRS-16492
N63-10540	01-16	JPRS-16496
N63-10541	01-21	SELWS-M-12
N63-10542	01-23	ORNL-3354
N63-10543	01-04	UTIA-TN-59
N63-10544	01-04	UTIA-TN-60
N63-10545	01-17	S-37
N63-10546	01-14	ROM-2181-1002
N63-10547	01-16	LF-3
N63-10548	01-06	UCRL-7031
N63-10549	01-07	DM-62-238
N63-10550	01-20	R-154
N63-10551	01-15	R-156
N63-10552	01-12	RADC-TDR-62-473
N63-10553	01-32	NO REPORT NUMBER
N63-10554	01-28	NO REPORT NUMBER
N63-10555	01-30	NO REPORT NUMBER
N63-10556	01-23	RADC-TDR-62-528
N63-10557	01-19	WADD-TR-61-72, VOL. X
N63-10558	01-06	ER-4670
N63-10559	01-08	NOLC-562
N63-10560	01-08	NOLC-563
N63-10561	01-23	AFCRL-62-588
N63-10562	01-15	AFCRL-62-1070
N63-10563	01-23	AFCRL-62-1042
N63-10564	01-11	ATN-63/9206/-2
N63-10565	01-12	JPRS-16458
N63-10566	01-11	NO REPORT NUMBER
N63-10567	01-23	NOTS-TP-3021
N63-10568	01-12	NO REPORT NUMBER
N63-10569	01-23	RADC-TDR-62-529
N63-10570	01-23	RADC-TDR-62-531, VOL. 1
N63-10571	01-23	RADC-TDR-62-531, VOL. II
N63-10572	01-23	RADC-TDR-62-530
N63-10573	01-07	TIL/T-5372
N63-10574	01-09	TIL/T-5319
N63-10575	01-21	NO REPORT NUMBER
N63-10576	02-17	JPRS-16410
N63-10577	02-07	JPRS-16405
N63-10578	02-07	JPRS-16409
N63-10579	02-18	JPRS-16269
N63-10580	02-07	FTD-TT-62-1070/1&2&4
N63-10581	02-07	TIL/T-5331
N63-10582	02-20	JPRS-16124
N63-10583	02-16	JPRS-16407
N63-10584	02-14	NO REPORT NUMBER
N63-10585	02-07	K-1533
N63-10586	02-06	NRL-MEMO-1361, PT. 1
N63-10587	02-23	ORNL-3090
N63-10588	02-06	ER-4108
N63-10589	02-16	LAMS-2780
N63-10590	02-11	TP-52
N63-10591	02-07	TIL/T-5327
N63-10592	02-09	NO REPORT NUMBER
N63-10593	02-07	NO REPORT NUMB
N63-10594	02-07	NO REPORT NUMB
N63-10595	02-07	NO REPORT NUM
N63-10596	02-05	NO REPORT NUM
N63-10597	02-11	DTMB-1
N63-10598	02-20	R-375
N63-10599	02-33	APGC-TDR-62
N63-10600	02-26	NO REPORT NUM
N63-10601	02-01	NO REPORT NUM
N63-10602	02-03	NO REPORT NUM
N63-10603	02-20	ONR-RM
N63-10604	02-20	ONR-RM
N63-10605	02-16	TID-3909/SUPPL.
N63-10606	02-07	TIL/T-53
N63-10607	02-20	AFCRL-62-10
N63-10608	02-12	NO REPORT NUMB
N63-10609	02-12	AFCRL-62-1
N63-10610	02-16	AMRL-TDR-62-1
N63-10611	02-11	NWL-17
N63-10612	02-11	NO REPORT NUMB
N63-10613	02-20	ANL-6319 RE
N63-10614	02-15	GEMP-
N63-10615	02-02	HE-150-2
N63-10616	02-06	ASD-TDR-62-6
N63-10617	02-12	AFCRL-62-3
N63-10618	02-24	AMP-
N63-10619	02-11	HE-150-2
N63-10620	02-11	NO REPORT NUMB
N63-10621	02-16	JPRS-162
N63-10622	02-19	JPRS-161
N63-10623	02-18	JPRS-161
N63-10624	02-04	NASA-TN-D-14
N63-10625	02-19	NASA-TN-D-13
N63-10626	02-14	NASA-TN-D-14
N63-10627	02-26	NASA-TN-D-15
N63-10628	02-02	NASA-TN-D-15
N63-10629	02-02	NASA-MEMO-2-6-5
N63-10630	02-19	WADD-TR-61-72, VOL. VI
N63-10631	02-20	JPRS-163
N63-10632	02-22	JPRS-163
N63-10633	02-15	SELWS-M-
N63-10634	02-21	SELWS-M-
N63-10635	02-33	UTIA-
N63-10636	02-23	UTIA-
N63-10637	02-08	NO REPORT NUMB
N63-10638	02-20	JPRS-164
N63-10639	02-21	JPRS-163
N63-10640	02-29	JPRS-164
N63-10641	02-23	NO REPORT NUMB
N63-10642	02-08	NO REPORT NUMB
N63-10643	02-15	NO REPORT NUMB
N63-10644	02-15	NO REPORT NUMB
N63-10645	02-34	ASD-TR-61-6
N63-10646	02-23	CU-1-62-ONR-266/34/-
N63-10647	02-23	CU-2-
N63-10648	02-11	NO REPORT NUMB
N63-10649	02-19	WADD-TR-60-5
N63-10650	02-27	NASA-TN-D-15
N63-10651	02-07	JPL-TR-32-2
N63-10652	02-27	JPL-TR-32-2
N63-10653	02-23	NOLTR-62-1
N63-10654	02-16	SAM-TDR-62-
N63-10655	02-16	SAM-TDR-62-
N63-10656	02-24	TDR-169/3210-02/TN-
N63-10657	02-20	ORNL-33
N63-10658	02-23	USNRDL-TR-5
N63-10659	02-17	TID-82
N63-10660	02-21	JPRS-165
N63-10661	02-21	JPRS-165
N63-10662	02-17	ASD-TDR-62-7
N63-10663	02-33	ASD-TDR-62-5
N63-10664	02-18	NO REPORT NUMB
N63-10665	02-17	ASD-TDR-62-6
N63-10666	02-02	RAL-RR-1
N63-10667	02-08	NRL-58
N63-10668	02-28	AE62-08
N63-10669	02-34	IER SER. 131, ISSUE
N63-10670	02-17	AFSWC-TDR-62-1
N63-10671	02-11	AEDC-TDR-62-2
N63-10672	02-08	AFCRL-62-7
N63-10673	02-02	AEDC-TDR-62-2
N63-10674	02-15	AEC-TR-50
N63-10675	02-09	AFOSR-27
N63-10676	02-23	GA-33
N63-10677	02-15	GA-33
N63-10678	02-16	AMRL-TDR-62-1
N63-10679	02-28	AEC-TR-53
N63-10680	02-11	DCAS-TDR-62-1
N63-10681	02-21	JPRS-163
N63-10682	02-24	DCAS-TDR-62-1

N63-10683	02-01	DME/NAE-1962/3/
N63-10684	02-08	NO REPORT NUMBER
N63-10685	02-12	SUI-62-23-B
N63-10686	02-11	CARDE-TM-627/61
N63-10687	02-08	NO REPORT NUMBER
N63-10688	02-12	NO REPORT NUMBER
N63-10689	02-24	NO REPORT NUMBER
N63-10690	02-23	NO REPORT NUMBER
N63-10691	02-21	NSSP-11
N63-10692	02-17	NO REPORT NUMBER
N63-10693	02-17	NO REPORT NUMBER
N63-10694	02-20	NO REPORT NUMBER
N63-10695	02-20	NO REPORT NUMBER
N63-10696	02-20	NO REPORT NUMBER
N63-10697	02-24	NO REPORT NUMBER
N63-10698	02-20	NO REPORT NUMBER
N63-10699	02-07	CU-7356
N63-10700	02-33	NO REPORT NUMBER
N63-10701	02-26	NO REPORT NUMBER
N63-10702	02-26	NO REPORT NUMBER
N63-10703	02-07	NO REPORT NUMBER
N63-10704	02-18	ASD-TDR-62-292
N63-10705	02-17	ASD-TR-62-795 SECT. II
N63-10706	02-24	DCAS-TDR-62-88
N63-10707	02-06	ASD-TDR-62-69
N63-10708	02-13	IS-492
N63-10709	02-07	NO REPORT NUMBER
N63-10710	02-11	JPL-TR-32-317
N63-10711	02-23	RM-62TMP-32
N63-10712	02-31	NASA-SP-10
N63-10713	02-17	WAL-TR-142.5/1-4
N63-10714	02-19	WADD-TR-61-72, VOL. XI
N63-10715	02-02	AOMC-RF-TR-62-1, REV.
N63-10716	02-20	T&AM-206
N63-10717	02-33	T&AM-208
N63-10718	02-33	T&AM-209
N63-10719	02-20	T&AM-210
N63-10720	02-33	T&AM-212
N63-10721	02-33	T&AM-213
N63-10722	02-34	T&AM-214
N63-10723	02-33	NO REPORT NUMBER
N63-10724	02-24	AD-271170
N63-10725	02-17	NO REPORT NUMBER
N63-10726	02-20	NO REPORT NUMBER
N63-10727	02-24	NO REPORT NUMBER
N63-10728	02-33	NO REPORT NUMBER
N63-10729	02-11	NO REPORT NUMBER
N63-10730	02-26	NO REPORT NUMBER
N63-10731	02-20	MRL-TDR-62-27/II/
N63-10732	02-24	NO REPORT NUMBER
N63-10733	02-13	NASA-TN-D-1535
N63-10734	02-22	NASA-TN-D-1433
N63-10735	02-27	NASA-TN-D-1461
N63-10736	02-30	NASA-TR-R-137
N63-10737	02-07	NO REPORT NUMBER
N63-10738	02-01	NO REPORT NUMBER
N63-10739	02-11	ONERA-105
N63-10740	02-23	MURA-649
N63-10741	02-07	ASD-TDR-62-575
N63-10742	02-33	ARL-62-425
N63-10743	02-18	ASD-TR-61-566
N63-10744	02-06	ASD-TDR-62-373
N63-10745	02-18	ASD-TDR-62-396
N63-10746	02-30	RAD-TM-62-20, PT. 1
N63-10747	02-18	BMI-1602
N63-10748	02-17	AMC-RK-TR-62-10
N63-10749	02-34	ASD-TDR-62-279
N63-10750	02-18	NO REPORT NUMBER
N63-10751	02-11	TRG-156-SR-1
N63-10752	02-25	IS-299
N63-10753	02-02	ARL-62-405
N63-10754	02-17	AEDC-TDR-62-221
N63-10755	02-20	C11-80
N63-10756	02-18	ASD-TDR-62-329
N63-10757	02-08	AFCRL-62-359
N63-10758	02-11	AVCO-EVERETT RES. REPT.-140
N63-10759	02-25	AFCRL-62-585
N63-10760	02-24	PIBAL-753
N63-10761	02-23	NO REPORT NUMBER
N63-10762	02-08	OR-2495-1
N63-10763	02-02	USCEC-65-50
N63-10764	02-24	NO REPORT NUMBER
N63-10765	02-01	JPL-BIBL-39-3
N63-10766	02-26	NO REPORT NUMBER
N63-10767	02-23	NO REPORT NUMBER
N63-10768	02-12	NO REPORT NUMBER
N63-10769	02-05	NASA-TT-F-112
N63-10770	02-15	NO REPORT NUMBER
N63-10771	02-29	NO REPORT NUMBER
N63-10772	02-05	BNL-710/T-247/
N63-10773	02-09	EUR-30.E
N63-10774	02-17	EUR-39.E
N63-10775	02-23	EUR-103.F
N63-10776	02-20	EUR-105.E
N63-10777	02-20	EUR-106.F
N63-10778	02-15	EUR-107.F
N63-10779	02-20	EUR-108.F
N63-10780	02-15	EUR-109.F
N63-10781	02-15	EUR-111.E
N63-10782	02-14	ER-12693
N63-10783	02-20	MATT-90
N63-10784	02-23	MATT-142
N63-10785	02-15	NO REPORT NUMBER
N63-10786	02-11	EOS-RR-5
N63-10787	02-17	RIA-62-2752
N63-10788	02-11	R62SD97
N63-10789	02-12	RRC-A82
N63-10790	02-15	AFCRL-62-900
N63-10791	02-13	NO REPORT NUMBER
N63-10792	02-18	RDR-1322-1
N63-10793	02-16	NASA-TN-D-1357
N63-10794	02-10	NASA-TN-D-1377
N63-10795	02-30	NASA-TN-D-1396
N63-10796	02-05	NASA-TN-D-1415
N63-10797	02-30	NASA-TN-D-1496
N63-10798	02-13	NASA-TN-D-1500
N63-10799	02-33	NASA-TN-D-1522
N63-10800	02-03	NASA-TN-D-1554
N63-10801	02-33	NASA-TN-D-1666
N63-10802	02-23	NASA-TN-D-1667
N63-10803	02-29	ARS PAPER-2390-62
N63-10804	02-34	NASA-TN-D-1510
N63-10805	02-34	NO REPORT NUMBER
N63-10806	02-34	NO REPORT NUMBER
N63-10807	02-34	NO REPORT NUMBER
N63-10808	02-34	NO REPORT NUMBER
N63-10809	02-34	NO REPORT NUMBER
N63-10810	02-34	NO REPORT NUMBER
N63-10811	02-34	NO REPORT NUMBER
N63-10812	02-34	NO REPORT NUMBER
N63-10813	02-34	NO REPORT NUMBER
N63-10814	02-33	NO REPORT NUMBER
N63-10815	02-33	NO REPORT NUMBER
N63-10816	02-33	NO REPORT NUMBER
N63-10817	02-33	NO REPORT NUMBER
N63-10818	02-33	NO REPORT NUMBER
N63-10819	02-33	NO REPORT NUMBER
N63-10820	02-33	NO REPORT NUMBER
N63-10821	02-33	NO REPORT NUMBER
N63-10822	02-33	NO REPORT NUMBER
N63-10823	02-33	NO REPORT NUMBER
N63-10824	02-33	NO REPORT NUMBER
N63-10825	02-33	NO REPORT NUMBER
N63-10826	02-33	NO REPORT NUMBER
N63-10827	02-33	NO REPORT NUMBER
N63-10828	02-33	NO REPORT NUMBER
N63-10829	02-33	NO REPORT NUMBER
N63-10830	02-33	NO REPORT NUMBER
N63-10831	02-33	NO REPORT NUMBER
N63-10832	02-33	NO REPORT NUMBER
N63-10833	02-33	NO REPORT NUMBER
N63-10834	02-33	NO REPORT NUMBER
N63-10835	02-33	NO REPORT NUMBER
N63-10836	02-33	NO REPORT NUMBER
N63-10837	02-33	NO REPORT NUMBER
N63-10838	02-33	NO REPORT NUMBER
N63-10839	02-33	NO REPORT NUMBER
N63-10840	02-33	NO REPORT NUMBER
N63-10841	02-33	NO REPORT NUMBER
N63-10842	02-33	NO REPORT NUMBER
N63-10843	02-33	NO REPORT NUMBER
N63-10844	02-33	NO REPORT NUMBER
N63-10845	02-33	NO REPORT NUMBER
N63-10846	02-33	NO REPORT NUMBER
N63-10847	02-33	NO REPORT NUMBER
N63-10848	02-33	NO REPORT NUMBER
N63-10849	02-33	NO REPORT NUMBER
N63-10850	02-33	NO REPORT NUMBER
N63-10851	02-33	NO REPORT NUMBER
N63-10852	02-33	NO REPORT NUMBER
N63-10853	02-33	NO REPORT NUMBER
N63-10854	02-33	NO REPORT NUMBER
N63-10855	02-33	NO REPORT NUMBER
N63-10856	02-33	NO REPORT NUMBER
N63-10857	02-33	NO REPORT NUMBER
N63-10858	02-33	NO REPORT NUMBER
N63-10859	02-33	NO REPORT NUMBER
N63-10860	02-33	NO REPORT NUMBER
N63-10861	02-33	NO REPORT NUMBER
N63-10862	02-05	NO REPORT NUMBER

N63-10863 02-07 ..... UCRL-10451
N63-10864 02-20 ..... LAMS-2762
N63-10865 02-08 ..... NO REPORT NUMBER
N63-10866 02-15 ..... P-62-20
N63-10867 02-17 ..... ORNL-3344
N63-10868 02-29 ..... NASA-TN-D-1445
N63-10869 02-15 ..... LAMS-2796
N63-10870 02-23 ..... UCRL-10461
N63-10871 02-23 ..... UCRL-10474
N63-10872 02-07 ..... UCRL-10482
N63-10873 02-28 ..... NYO-10249
N63-10874 02-23 ..... AFCRL-62-1041
N63-10875 02-29 ..... SAM-TDR-62-121
N63-10876 02-15 ..... ARL/MET-15
N63-10877 02-23 ..... ASD-TDR-62-375
N63-10878 02-11 ..... A&ES-62-8
N63-10879 02-16 ..... AMRL-TDR-62-96
N63-10880 02-26 ..... E194-62
N63-10881 02-27 ..... NASA-TN-D-1457
N63-10882 02-33 ..... ASD-TDR-62-237
N63-10883 02-27 ..... USNRDL-TR-589
N63-10884 02-11 ..... DASA-1322
N63-10885 02-11 ..... DASA-1326
N63-10886 02-23 .. AVCO-EVERETT RES. REPT.-141
N63-10887 02-07 .. AVCO-EVERETT RES. REPT.-142
N63-10888 02-21 ..... SELWS-M-15
N63-10889 02-15 ..... JPL-TR-32-329
N63-10890 02-30 ..... NO REPORT NUMBER
N63-10891 02-33 ..... T&AM-219
N63-10892 02-33 ..... T&AM-235
N63-10893 02-07 ..... NOLTR-62-59
N63-10894 02-33 ..... IER SER. 175, ISSUE 1
N63-10895 02-32 ..... NPL/AERO/1040
N63-10896 02-17 ..... NO REPORT NUMBER
N63-10897 02-12 ..... NO REPORT NUMBER
N63-10898 02-33 ..... NASA-TN-D-1458
N63-10899 02-23 ..... NO REPORT NUMBER
N63-10900 02-20 ..... NO REPORT NUMBER
N63-10901 02-23 ..... AFCRL-62-92
N63-10902 02-08 ..... RADC-TDR-62-443
N63-10903 02-28 ..... NO REPORT NUMBER
N63-10904 02-32 ..... NASA-TN-D-1514
N63-10905 02-28 ..... NO REPORT NUMBER
N63-10906 02-16 ..... MRL-TDR-62-71
N63-10907 02-33 ..... ARL/SM-288
N63-10908 02-33 ..... WADD-TR-60-517, VOL. II
N63-10909 02-23 ..... USNRDL-TR-581
N63-10910 02-29 ..... NO REPORT NUMBER
N63-10911 02-12 ..... RRC-B76
N63-10912 02-01 ..... NO REPORT NUMBER
N63-10913 02-13 ..... NO REPORT NUMBER
N63-10914 02-30 ..... NO REPORT NUMBER
N63-10915 02-33 ..... NO REPORT NUMBER
N63-10916 02-13 ..... NO REPORT NUMBER
N63-10917 02-13 ..... NO REPORT NUMBER
N63-10918 02-13 ..... NO REPORT NUMBER
N63-10919 02-13 ..... NO REPORT NUMBER
N63-10920 02-13 ..... NO REPORT NUMBER
N63-10921 02-18 ..... NO REPORT NUMBER
N63-10922 02-19 ..... NO REPORT NUMBER
N63-10923 02-19 ..... NO REPORT NUMBER
N63-10924 02-19 ..... NO REPORT NUMBER
N63-10925 02-19 ..... NO REPORT NUMBER
N63-10926 02-19 ..... NO REPORT NUMBER
N63-10927 02-23 ..... NO REPORT NUMBER
N63-10928 02-09 ..... NO REPORT NUMBER
N63-10929 02-17 ..... NO REPORT NUMBER
N63-10930 02-17 ..... NO REPORT NUMBER
N63-10931 02-17 ..... NASA-TN-D-1339, PHASE I
N63-10932 02-16 ..... NO REPORT NUMBER
N63-10933 02-17 ..... NO REPORT NUMBER
N63-10934 02-17 ..... NO REPORT NUMBER
N63-10935 02-11 ..... BRL-MEMO-1401
N63-10936 02-11 ..... TFM-8151-006
N63-10937 02-12 ..... AFCRL-62-1079
N63-10938 02-12 ..... AFCRL-62-1063
N63-10939 02-01 ..... JPL-SPS-37-17, VOL. IV
N63-10940 02-20 ..... NO REPORT NUMBER
N63-10941 02-21 ..... AFCRL-62-1068
N63-10942 02-21 ..... AFCRL-62-1069
N63-10943 02-33 ..... AASU-225
N63-10944 02-16 ..... CAL-VO-1616-V-1
N63-10945 02-14 ..... AMRL-TDR-62-97
N63-10946 02-13 ..... RAS-TM-62-6
N63-10947 02-17 ..... R-3911
N63-10948 02-29 ..... NO REPORT NUMBER
N63-10949 02-33 ..... NO REPORT NUMBER
N63-10950 02-03 ..... NASA-TN-D-1475
N63-10951 02-34 ..... ARC-R-77
N63-10952 02-20 ..... NASA-TN-D-1678
N63-10953 02-01 ..... JPL-SM-40-
N63-10954 02-15 ..... PIBMRI-1013-
N63-10955 02-23 ..... AEDC-TDR-62-1
N63-10956 02-26 ..... ARF-3197-
N63-10957 02-20 ..... MC-1
N63-10958 02-08 ..... MC-1
N63-10959 02-08 ..... MC-1
N63-10960 02-32 ..... MC-1
N63-10961 02-05 ..... NO REPORT NUMB
N63-10962 02-23 ..... NO REPORT NUMB
N63-10963 02-18 ..... NO REPORT NUMB
N63-10964 02-18 ..... NO REPORT NUMB
N63-10965 02-17 ..... NO REPORT NUMB
N63-10966 02-18 ..... NO REPORT NUMB
N63-10967 02-33 ..... NO REPORT NUMB
N63-10968 02-31 ..... NO REPORT NUMB
N63-10969 02-18 ..... BM-RI-61
N63-10970 02-02 ..... R62SD
N63-10971 02-27 ..... NO REPORT NUMB
N63-10972 02-27 ..... NO REPORT NUMB
N63-10973 02-05 ..... JPRS-167
N63-10974 02-12 ..... JPRS-167
N63-10975 02-21 ..... JPRS-167
N63-10976 02-20 ..... JPRS-165
N63-10977 02-18 ..... JPRS-165
N63-10978 02-29 ..... JPRS-165
N63-10979 02-21 ..... JPRS-165
N63-10980 02-08 ..... JPRS-166
N63-10981 02-21 ..... JPRS-166
N63-10982 02-16 ..... JPRS-166
N63-10983 02-18 ..... JPRS-165
N63-10984 02-18 ..... JPRS-165
N63-10985 02-16 ..... JPRS-166
N63-10986 02-18 ..... NASA-TN-D-159
N63-10987 02-33 ..... NASA-TN-D-146
N63-10988 02-12 ..... NASA-TT-F-1
N63-10989 02-23 ..... T&AM-23
N63-10990 02-33 ..... NO REPORT NUMBE
N63-10991 02-13 ..... NASA-TN-D-137
N63-10992 02-01 ..... JPRS-167
N63-10993 02-26 ..... MRB-2022
N63-10994 02-20 ..... NO REPORT NUMBE
N63-10995 02-13 ..... AHT-
N63-10996 02-27 ..... RAC-96
N63-10997 02-05 ..... NO REPORT NUMBE
N63-10998 02-11 ..... NO REPORT NUMBE
N63-10999 02-23 ..... NO REPORT NUMBE
N63-11000 03-16 ..... NO REPORT NUMBE
N63-11001 03-20 ..... WIS-TCI-5, SER.
N63-11002 03-16 ..... NO REPORT NUMBE
N63-11003 03-11 ..... AFCRL-62-1086, REPT.
N63-11004 03-30 ..... NASA-TM-X-78
N63-11005 03-15 ..... NO REPORT NUMBE
N63-11006 03-02 ..... NO REPORT NUMBE
N63-11007 03-26 ..... ARL-62-4
N63-11008 03-26 ..... ARL-62-43
N63-11009 03-24 ..... ARL-62-41
N63-11010 ..... ACC. NO. NOT USE
N63-11011 03-17 ..... IR-7-937A/1
N63-11012 03-07 ..... AFCRL-62-108
N63-11013 03-01 ..... JPRS-1244
N63-11014 03-09 ..... AFCRL-62-76
N63-11015 03-28 ..... AFCRL-62-111
N63-11016 03-12 ..... AFCRL-62-109
N63-11017 03-29 ..... AFCRL-62-109
N63-11018 03-29 ..... AFCRL-62-110
N63-11019 03-29 ..... AFCRL-62-109
N63-11020 03-07 ..... AFCRL-62-111
N63-11021 03-12 ..... AFCRL-62-111
N63-11022 03-26 ..... SSD-TDR-62-17
N63-11023 03-12 ..... NO REPORT NUMBE
N63-11024 03-13 ..... COA-N-13
N63-11025 03-11 ..... ANL-663
N63-11026 03-23 ..... AEC-TR-540
N63-11027 03-18 ..... AEC-TR-537
N63-11028 03-23 ..... APGC-TDR-62-6
N63-11029 03-26 ..... ARL-62-46
N63-11030 03-15 ..... AFCRL-62-66
N63-11031 03-09 ..... NBS-TN-16
N63-11032 03-08 ..... NBS-TN-12
N63-11033 03-12 ..... NBS-TN-40-
N63-11034 03-25 ..... AFCRL-62-36
N63-11035 03-23 ..... AFCRL-62-71
N63-11036 03-08 ..... AFCRL-62-73
N63-11037 03-09 ..... AFCRL-62-57
N63-11038 03-16 ..... ARL-TDR-62-2
N63-11039 03-08 ..... AFCRL-62-79
N63-11040 03-20 ..... USNRDL-TR-59
N63-11041 03-09 ..... AFCRL-111
N63-11042 03-17 ..... AFSC-TR-7-926/1

N63-11043	03-15	ARL/A-198
N63-11044	03-18	LAMS-2773
N63-11045	03-17	AL62L020
N63-11046	03-15	NAVWEPS-7773
N63-11047	03-08	NBS-TN-18-14
N63-11048	03-15	ABL/B-22
N63-11049	03-02	CM-1019
N63-11050	03-34	NASA-TN-D-1691
N63-11051	03-31	RM-3268-NASA
N63-11052	03-10	JPL-SPS-37-18, VOL. II
N63-11053	03-18	JPL-TR-32-222
N63-11054	03-20	NYO-9190
N63-11055	03-18	LAMS-2779
N63-11056	03-34	NASA-TN-D-1690
N63-11057	03-34	NASA-TN-D-1692
N63-11058	03-01	ASD-TR-61-645
N63-11059	03-33	NO REPORT NUMBER
N63-11060	03-33	NO REPORT NUMBER
N63-11061	03-33	NO REPORT NUMBER
N63-11062	03-34	NO REPORT NUMBER
N63-11063	03-02	NO REPORT NUMBER
N63-11064	03-33	NO REPORT NUMBER
N63-11065	03-33	NO REPORT NUMBER
N63-11066	03-33	NO REPORT NUMBER
N63-11067	03-02	NO REPORT NUMBER
N63-11068	03-33	NO REPORT NUMBER
N63-11069	03-30	NO REPORT NUMBER
N63-11070	03-30	NO REPORT NUMBER
N63-11071	03-33	NO REPORT NUMBER
N63-11072	03-13	NO REPORT NUMBER
N63-11073	03-33	NO REPORT NUMBER
N63-11074	03-13	NO REPORT NUMBER
N63-11075	03-11	NO REPORT NUMBER
N63-11076	03-11	NO REPORT NUMBER
N63-11077	03-34	NO REPORT NUMBER
N63-11078	03-34	NO REPORT NUMBER
N63-11079	03-34	NO REPORT NUMBER
N63-11080	03-33	NO REPORT NUMBER
N63-11081	03-13	NO REPORT NUMBER
N63-11082	03-13	NO REPORT NUMBER
N63-11083		ACC. NO. NOT USED
N63-11084		ACC. NO. NOT USED
N63-11085		ACC. NO. NOT USED
N63-11086		ACC. NO. NOT USED
N63-11087		ACC. NO. NOT USED
N63-11088		ACC. NO. NOT USED
N63-11089		ACC. NO. NOT USED
N63-11090		ACC. NO. NOT USED
N63-11091		ACC. NO. NOT USED
N63-11092		ACC. NO. NOT USED
N63-11093		ACC. NO. NOT USED
N63-11094		ACC. NO. NOT USED
N63-11095		ACC. NO. NOT USED
N63-11096		ACC. NO. NOT USED
N63-11097		ACC. NO. NOT USED
N63-11098		ACC. NO. NOT USED
N63-11099		ACC. NO. NOT USED
N63-11100		ACC. NO. NOT USED
N63-11101		ACC. NO. NOT USED
N63-11102		ACC. NO. NOT USED
N63-11103		ACC. NO. NOT USED
N63-11104		ACC. NO. NOT USED
N63-11105		ACC. NO. NOT USED
N63-11106		ACC. NO. NOT USED
N63-11107		ACC. NO. NOT USED
N63-11108		ACC. NO. NOT USED
N63-11109		ACC. NO. NOT USED
N63-11110		ACC. NO. NOT USED
N63-11111		ACC. NO. NOT USED
N63-11112		ACC. NO. NOT USED
N63-11113		ACC. NO. NOT USED
N63-11114		ACC. NO. NOT USED
N63-11115		ACC. NO. NOT USED
N63-11116		ACC. NO. NOT USED
N63-11117		ACC. NO. NOT USED
N63-11118		ACC. NO. NOT USED
N63-11119		ACC. NO. NOT USED
N63-11120	03-27	DMIC-178
N63-11121	03-28	NASA-TN-D-1524
N63-11122	03-30	NASA-TN-D-1515
N63-11123	03-04	NASA-TN-D-1402
N63-11124	03-24	NASA-TN-D-1689
N63-11125	03-20	AROD-968-34
N63-11126	03-30	ER-12737
N63-11127	03-29	ARF-3194-7
N63-11128	03-21	NO REPORT NUMBER
N63-11129	03-01	NO REPORT NUMBER
N63-11130	03-01	NO REPORT NUMBER
N63-11131	03-13	NASA-TM-X-300
N63-11132	03-02	NASA-TM-X-507
N63-11133	03-26	SSD-TDR-62-176
N63-11134	03-26	SSD-TDR-62-177
N63-11135	03-12	LR-16085
N63-11136	03-23	UCRL-10510
N63-11137	03-01	NASA-SP-8
N63-11138	03-29	NO REPORT NUMBER
N63-11139	03-29	NO REPORT NUMBER
N63-11140	03-30	NO REPORT NUMBER
N63-11141	03-27	NO REPORT NUMBER
N63-11142	03-21	NO REPORT NUMBER
N63-11143	03-30	NO REPORT NUMBER
N63-11144	03-09	NO REPORT NUMBER
N63-11145	03-32	NO REPORT NUMBER
N63-11146	03-32	NO REPORT NUMBER
N63-11147	03-31	NO REPORT NUMBER
N63-11148	03-21	NO REPORT NUMBER
N63-11149	03-09	NO REPORT NUMBER
N63-11150	03-09	NO REPORT NUMBER
N63-11151	03-09	NO REPORT NUMBER
N63-11152	03-01	NO REPORT NUMBER
N63-11153	03-01	NO REPORT NUMBER
N63-11154	03-01	NO REPORT NUMBER
N63-11155	03-04	NO REPORT NUMBER
N63-11156	03-16	NO REPORT NUMBER
N63-11157	03-04	NO REPORT NUMBER
N63-11158	03-04	NO REPORT NUMBER
N63-11159	03-32	NO REPORT NUMBER
N63-11160	03-26	ASD-TR-61-278, SUPPL. 1
N63-11161	03-20	NO REPORT NUMBER
N63-11162	03-20	NO REPORT NUMBER
N63-11163	03-07	NO REPORT NUMBER
N63-11164	03-26	PIBAL-713
N63-11165	03-33	A&ES-62-6
N63-11166	03-33	A&ES-62-13
N63-11167	03-12	AFCRL-62-1022
N63-11168	03-13	TIL/T-5306
N63-11169	03-07	TIL/T-5316
N63-11170	03-27	SM-42097
N63-11171	03-27	SM-42516
N63-11172	03-11	GAMD-3639
N63-11173	03-23	AFCRL-62-904
N63-11174	03-27	K-1549
N63-11175	03-11	NO REPORT NUMBER
N63-11176	03-18	NO REPORT NUMBER
N63-11177	03-15	UCRL-10421
N63-11178	03-23	UCRL-7052
N63-11179	03-23	UCRL-7118
N63-11180	03-31	SSQ-592-T62-1
N63-11181	03-12	JPRS-16691
N63-11182	03-10	ARTC-30
N63-11183	03-25	AFCRL-62-771
N63-11184	03-08	JPRS-16690
N63-11185	03-23	JPRS-16722
N63-11186	03-23	JPRS-16686
N63-11187	03-26	PIBAL-660
N63-11188	03-12	JPRS-16749
N63-11189	03-25	NML-62-1
N63-11190	03-15	M63-12-1
N63-11191	03-23	NO REPORT NUMBER
N63-11192	03-16	NO REPORT NUMBER
N63-11193	03-16	NO REPORT NUMBER
N63-11194	03-16	NO REPORT NUMBER
N63-11195	03-16	NO REPORT NUMBER
N63-11196	03-05	AFCRL-62-852
N63-11197	03-11	NYO-9188
N63-11198	03-20	NYO-9759
N63-11199	03-23	ANL-6611
N63-11200	03-14	HUMRRO-TR-77
N63-11201	03-12	NO REPORT NUMBER
N63-11202	03-20	JPRS-16738
N63-11203	03-16	JPRS-16776
N63-11204	03-20	JPRS-16783
N63-11205	03-05	JPRS-16786
N63-11206	03-19	JPRS-16788
N63-11207	03-18	JPRS-16807
N63-11208	03-20	NYO-9603
N63-11209	03-13	AEDC-TDR-62-233
N63-11210	03-03	ORNL-3294
N63-11211	03-18	GEMP-18A
N63-11212	03-29	NASA-TT-F-93
N63-11213	03-01	NO REPORT NUMBER
N63-11214	03-01	NO REPORT NUMBER
N63-11215	03-01	NO REPORT NUMBER
N63-11216	03-01	NO REPORT NUMBER
N63-11217	03-01	NO REPORT NUMBER
N63-11218	03-09	NO REPORT NUMBER
N63-11219	03-09	NO REPORT NUMBER
N63-11220	03-25	NO REPORT NUMBER
N63-11221	03-25	NO REPORT NUMBER
N63-11222	03-15	NO REPORT NUMBER

N63-11223	03-01	AFCRL-62-714
N63-11224	03-24	UCRL-6947-T
N63-11225	03-23	EFINS-62-54-55-56
N63-11226	03-16	AMRL-TDR-62-118
N63-11227	03-18	WADD-TR-60-463, PT. II
N63-11228	03-23	GEAP-4047
N63-11229	03-23	NYO-10206
N63-11230	03-18	WAL-TR-371/50
N63-11231	03-18	WAL-TR-371/51
N63-11232	03-18	WAL-TR-371/52
N63-11233	03-18	WAL-TR-371/53
N63-11234	03-21	AFCRL-62-1087
N63-11235	03-13	TP-54
N63-11236	03-07	DP-511
N63-11237	03-02	JPL-TR-32-338
N63-11238	03-24	USNRDL-TR-587
N63-11239	03-01	WADC-TR-53-373, SUPPL. 9
N63-11240	03-12	AFCRL-62-826
N63-11241	03-12	NO REPORT NUMBER
N63-11242	03-12	NO REPORT NUMBER
N63-11243	03-12	NO REPORT NUMBER
N63-11244	03-12	NO REPORT NUMBER
N63-11245	03-12	NO REPORT NUMBER
N63-11246	03-12	NO REPORT NUMBER
N63-11247	03-12	NO REPORT NUMBER
N63-11248	03-12	NO REPORT NUMBER
N63-11249	03-12	NO REPORT NUMBER
N63-11250	03-05	ARS PAPER-2602-62
N63-11251	03-05	ARS PAPER-2603-62
N63-11252	03-29	ARS PAPER-2604-62
N63-11253	03-30	ARS PAPER-2617-62
N63-11254	03-09	ARS PAPER-2619-62
N63-11255	03-09	ARS PAPER-2620-62
N63-11256	03-29	ARS PAPER-2622-62
N63-11257	03-29	ARS PAPER-2623-62
N63-11258	03-29	ARS PAPER-2625-62
N63-11259	03-29	ARS PAPER-2626-62
N63-11260	03-24	ARS PAPER-2633-62
N63-11261	03-16	ARS PAPER-2644-62
N63-11262	03-14	ARS PAPER-2647-62
N63-11263	03-27	ARS PAPER-2649-62
N63-11264	03-27	ARS PAPER-2650-62
N63-11265	03-27	ARS PAPER-2652-62
N63-11266	03-27	ARS PAPER-2654-62
N63-11267	03-27	ARS PAPER-2663-62
N63-11268	03-27	ARS PAPER-2664-62
N63-11269	03-11	ARS PAPER-2665-62
N63-11270	03-29	ARS PAPER-2666-62
N63-11271	03-21	ARS PAPER-2678-62
N63-11272	03-29	ARS PAPER-2686-62
N63-11273	03-26	ARS PAPER-2690-62
N63-11274	03-29	ARS PAPER-2691-62
N63-11275	03-09	ARS PAPER-2692-62
N63-11276	03-31	ARS PAPER-2694-62
N63-11277	03-22	ARS PAPER-2695-62
N63-11278	03-17	ARS PAPER-2711-62
N63-11279	03-05	NO REPORT NUMBER
N63-11280	03-05	NO REPORT NUMBER
N63-11281	03-11	AROD-2380-5
N63-11282	03-18	AROD-2891-4
N63-11283	03-20	JPRS-16837
N63-11284	03-04	COA-N-127
N63-11285	03-03	COA-N-131
N63-11286	03-04	COA-N-133
N63-11287	03-11	COA-N-134
N63-11288	03-12	NO REPORT NUMBER
N63-11289	03-24	NO REPORT NUMBER
N63-11290	03-25	NO REPORT NUMBER
N63-11291	03-25	NO REPORT NUMBER
N63-11292	03-25	NO REPORT NUMBER
N63-11293	03-19	NO REPORT NUMBER
N63-11294	03-15	ONERA-TR-108
N63-11295	03-27	NO REPORT NUMBER
N63-11296	03-15	NO REPORT NUMBER
N63-11297	03-09	PIBMRI-1085-62
N63-11298	03-11	NO REPORT NUMBER
N63-11299	03-19	NO REPORT NUMBER
N63-11300	03-08	NO REPORT NUMBER
N63-11301	03-19	NO REPORT NUMBER
N63-11302	03-29	NO REPORT NUMBER
N63-11303	03-28	CR-51
N63-11304	03-11	NO REPORT NUMBER
N63-11305	03-17	TTRI-52
N63-11306	03-15	NO REPORT NUMBER
N63-11307	03-23	NO REPORT NUMBER
N63-11308	03-19	JPL-TR-32-297
N63-11309	03-18	NO REPORT NUMBER
N63-11310		ACC. NO. NOT USED
N63-11311	03-25	NO REPORT NUMBER
N63-11312	03-11	NO REPORT NUMBER
N63-11313	03-11	NO REPORT NUMBER
N63-11314	03-03	RM-205
N63-11315	03-15	AFSWC-TDR-62-25
N63-11316	03-33	NO REPORT NUMBER
N63-11317	03-07	NO REPORT NUMBER
N63-11318	03-11	PIBAL-64
N63-11319	03-33	NO REPORT NUMBER
N63-11320	03-09	PIBMRI-1095-62
N63-11321	03-30	SUI-62-24
N63-11322	03-05	RM-3279-JPL
N63-11323	03-12	SUI-62-28
N63-11324	03-12	NO REPORT NUMBER
N63-11325	03-23	NO REPORT NUMBER
N63-11326	03-16	NO REPORT NUMBER
N63-11327	03-20	NO REPORT NUMBER
N63-11328	03-11	NO REPORT NUMBER
N63-11329	03-26	NO REPORT NUMBER
N63-11330	03-26	ASD-TDR-62-45
N63-11331	03-11	SSD-TDR-62-155
N63-11332	03-23	BM-RI-614
N63-11333	03-18	NO REPORT NUMBER
N63-11334	03-25	EOS-2080-ML-9
N63-11335	03-08	AFCRL-62-921
N63-11336	03-18	BM-RI-6115
N63-11337	03-18	JPRS-16855
N63-11338	03-18	JPRS-16841
N63-11339	03-14	HUMRRO-TR-75
N63-11340	03-08	AFCRL-62-792
N63-11341	03-16	NA-62-283
N63-11342	03-17	NO REPORT NUMBER
N63-11343	03-20	NO REPORT NUMBER
N63-11344	03-20	AID-62-203
N63-11345	03-12	NO REPORT NUMBER
N63-11346	03-07	AEC-TR-5224
N63-11347	03-24	MATT-Q-19
N63-11348	03-01	MLM-1136
N63-11349	03-01	MLM-1137
N63-11350	03-01	MLM-1138
N63-11351	03-26	NO REPORT NUMBER
N63-11352	03-20	NO REPORT NUMBER
N63-11353	03-08	NO REPORT NUMBER
N63-11354	03-22	AFCRL-62-788
N63-11355	03-12	AFCRL-62-1061
N63-11356	03-20	RADC-TDR-62-442
N63-11357	03-12	NBS-TN-40-7
N63-11358	03-12	NBS-TN-40-13
N63-11359	03-16	AMRL-TDR-62-117
N63-11360		ACC. NO. NOT USED
N63-11361		ACC. NO. NOT USED
N63-11362		ACC. NO. NOT USED
N63-11363		ACC. NO. NOT USED
N63-11364		ACC. NO. NOT USED
N63-11365		ACC. NO. NOT USED
N63-11366		ACC. NO. NOT USED
N63-11367		ACC. NO. NOT USED
N63-11368		ACC. NO. NOT USED
N63-11369		ACC. NO. NOT USED
N63-11370		ACC. NO. NOT USED
N63-11371		ACC. NO. NOT USED
N63-11372		ACC. NO. NOT USED
N63-11373		ACC. NO. NOT USED
N63-11374		ACC. NO. NOT USED
N63-11375		ACC. NO. NOT USED
N63-11376		ACC. NO. NOT USED
N63-11377		ACC. NO. NOT USED
N63-11378		ACC. NO. NOT USED
N63-11379		ACC. NO. NOT USED
N63-11380		ACC. NO. NOT USED
N63-11381		ACC. NO. NOT USED
N63-11382		ACC. NO. NOT USED
N63-11383		ACC. NO. NOT USED
N63-11384		ACC. NO. NOT USED
N63-11385		ACC. NO. NOT USED
N63-11386		ACC. NO. NOT USED
N63-11387		ACC. NO. NOT USED
N63-11388		ACC. NO. NOT USED
N63-11389		ACC. NO. NOT USED
N63-11390		ACC. NO. NOT USED
N63-11391		ACC. NO. NOT USED
N63-11392		ACC. NO. NOT USED
N63-11393		ACC. NO. NOT USED
N63-11394		ACC. NO. NOT USED
N63-11395		ACC. NO. NOT USED
N63-11396		ACC. NO. NOT USED
N63-11397		ACC. NO. NOT USED
N63-11398		ACC. NO. NOT USED
N63-11399		ACC. NO. NOT USED
N63-11400		ACC. NO. NOT USED
N63-11401		ACC. NO. NOT USED
N63-11402	03-16	NO REPORT NUMBER

N63-11403		ACC. NO. NOT USED
N63-11404	03-11	RAE-TRANS-1012
N63-11405	03-14	MRL-TDR-62-72
N63-11406	03-23	DASA-1332
N63-11407	03-29	AR-26-JPL
N63-11408	03-11	NO REPORT NUMBER
N63-11409	03-30	ASD-TDR-62-627
N63-11410	03-08	RADC-TDR-62-554
N63-11411	03-33	FPL-1888
N63-11412	03-33	FPL-1889
N63-11413	03-12	NO REPORT NUMBER
N63-11414	03-12	NO REPORT NUMBER
N63-11415	03-29	NO REPORT NUMBER
N63-11416	03-07	NO REPORT NUMBER
N63-11417	03-18	NO REPORT NUMBER
N63-11418	03-23	NOLC-568
N63-11419	03-02	CAL-OM-1626-A-8
N63-11420	03-11	CAL-112
N63-11421	03-15	ATL-D-861
N63-11422	03-32	MS-703
N63-11423	03-08	NO REPORT NUMBER
N63-11424	03-11	NAVWEPS-7920
N63-11425	03-02	AEDC-TDR-62-220
N63-11426	03-16	NO REPORT NUMBER
N63-11427	03-02	DTMB-AERO-1040
N63-11428	03-05	RM-3138-NASA
N63-11429	03-11	AFOSR-2552
N63-11430	03-19	NO REPORT NUMBER
N63-11431	03-20	NO REPORT NUMBER
N63-11432	03-23	NO REPORT NUMBER
N63-11433	03-23	CU-3-62-SC-78330
N63-11434	03-19	WAL-TR-851.5/1
N63-11435	03-33	AMC-RR-TR-62-5
N63-11436	03-23	TRG-134-QTR-2
N63-11437	03-21	AFCRL-62-1082
N63-11438	03-18	NO REPORT NUMBER
N63-11439	03-27	PWA-2087
N63-11440	03-33	ARD-TR-02-003
N63-11441	03-27	WAL-TR-766.41/2-3
N63-11442	03-17	WAL-401.54/2-2
N63-11443	03-33	WAL-TR-850/13
N63-11444	03-19	AWS-TR-165
N63-11445	03-04	AERONAUTICAL ENG. REPT.-600
N63-11446	03-18	ASD-TR-61-686, PT. I
N63-11447	03-19	RIA-62-3289
N63-11448	03-20	MRC-341
N63-11449	03-20	MRC-344
N63-11450	03-20	MRC-348
N63-11451	03-20	MRC-347
N63-11452	03-20	MRC-346
N63-11453	03-20	MRC-352
N63-11454	03-20	MRC-362
N63-11455	03-20	MRC-366
N63-11456	03-12	AFCRL-62-1093
N63-11457	03-08	AFCRL-62-595
N63-11458	03-18	NO REPORT NUMBER
N63-11459	03-14	NO REPORT NUMBER
N63-11460	03-30	NO REPORT NUMBER
N63-11461	03-11	NO REPORT NUMBER
N63-11462	03-02	NO REPORT NUMBER
N63-11463	03-23	JPRS-16853
N63-11464	03-23	JPRS-16930
N63-11465	03-16	AMRL-TDR-62-116
N63-11466	03-16	NO REPORT NUMBER
N63-11467	03-16	NO REPORT NUMBER
N63-11468	03-16	NO REPORT NUMBER
N63-11469	03-16	NO REPORT NUMBER
N63-11470	03-16	NO REPORT NUMBER
N63-11471	03-16	NO REPORT NUMBER
N63-11472	03-16	NO REPORT NUMBER
N63-11473	03-16	NO REPORT NUMBER
N63-11474	03-16	NO REPORT NUMBER
N63-11475	03-16	NO REPORT NUMBER
N63-11476	03-16	NO REPORT NUMBER
N63-11477	03-16	NO REPORT NUMBER
N63-11478	03-16	NO REPORT NUMBER
N63-11479	03-16	NO REPORT NUMBER
N63-11480	03-16	NO REPORT NUMBER
N63-11481	03-16	NO REPORT NUMBER
N63-11482	03-16	NO REPORT NUMBER
N63-11483	03-16	NO REPORT NUMBER
N63-11484	03-16	NO REPORT NUMBER
N63-11485	03-16	NO REPORT NUMBER
N63-11486	03-16	NO REPORT NUMBER
N63-11487	03-16	NO REPORT NUMBER
N63-11488	03-16	NO REPORT NUMBER
N63-11489	03-28	AFOSR/DRA-62-22
N63-11490	03-23	LAMS-2807
N63-11491	03-20	NYO-9760
N63-11492	03-23	ANL-6658
N63-11493	03-09	NO REPORT NUMBER
N63-11494	03-07	RIA-62-554
N63-11495	03-12	NO REPORT NUMBER
N63-11496	03-07	NO REPORT NUMBER
N63-11497	03-20	JPRS-16992
N63-11498	03-23	NASA-TT-F-98
N63-11499	03-12	NO REPORT NUMBER
N63-11500	03-11	R62SD985-CLASS I
N63-11501	03-29	NASA-SP-11, VOL. 1
N63-11502	03-29	NASA-SP-11, VOL. 2
N63-11503	03-12	NASA-SP-13
N63-11504	03-29	NASA-SP-14
N63-11505	03-05	NASA-SP-15
N63-11506	03-20	NASA-SP-16
N63-11507	03-22	NASA-SP-17
N63-11508	03-16	NASA-SP-18
N63-11509	03-27	NASA-SP-19
N63-11510	03-27	NASA-SP-20
N63-11511	03-06	NASA-SP-21
N63-11512	03-27	NASA-SP-22
N63-11513	03-02	NASA-SP-23
N63-11514	03-11	NASA-SP-24
N63-11515	03-24	NASA-SP-25
N63-11516	03-23	NASA-SP-26
N63-11517	03-19	NASA-SP-27
N63-11518	03-34	NASA-SP-28
N63-11519	03-19	JPL-TR-32-334
N63-11520	03-09	JPRS-16211
N63-11521	03-18	JPRS-16854
N63-11522	03-21	JPRS-16905
N63-11523	03-05	JPRS-15517
N63-11524	03-05	NO REPORT NUMBER
N63-11525	03-05	NO REPORT NUMBER
N63-11526	03-08	NO REPORT NUMBER
N63-11527	03-05	NO REPORT NUMBER
N63-11528	03-05	NO REPORT NUMBER
N63-11529	03-05	NO REPORT NUMBER
N63-11530	03-05	JPRS-15740
N63-11531	03-12	NO REPORT NUMBER
N63-11532	03-12	NO REPORT NUMBER
N63-11533	03-05	NO REPORT NUMBER
N63-11534	03-05	NO REPORT NUMBER
N63-11535	03-16	TID-7027
N63-11536	03-20	NASA-TN-D-1455
N63-11537	03-01	NO REPORT NUMBER
N63-11538	03-26	ARL-62-432
N63-11539	03-23	ARL-62-433
N63-11540	03-16	NO REPORT NUMBER
N63-11541	03-20	JPRS-17001
N63-11542	03-16	JPRS-16994
N63-11543	03-16	JPRS-16995
N63-11544	03-23	NBS-7607
N63-11545	04-05	JPRS-16917
N63-11546	04-05	NO REPORT NUMBER
N63-11547	04-05	NO REPORT NUMBER
N63-11548	04-05	NO REPORT NUMBER
N63-11549	04-05	NO REPORT NUMBER
N63-11550	04-05	NO REPORT NUMBER
N63-11551	04-05	NO REPORT NUMBER
N63-11552	04-05	NO REPORT NUMBER
N63-11553	04-05	NO REPORT NUMBER
N63-11554	04-05	NO REPORT NUMBER
N63-11555	04-23	ONR-TR-46
N63-11556	04-07	ONR-TR-50
N63-11557	04-05	NO REPORT NUMBER
N63-11558	04-05	NO REPORT NUMBER
N63-11559	04-07	ONR-TR-40
N63-11560	04-33	IER SER. 131, ISSUE 17
N63-11561	04-16	JPRS-16956
N63-11562	04-01	NAS/NRC-1079
N63-11563	04-13	ASD-TDR-62-608, PT. I
N63-11564	04-08	DAMP-TM-62-13
N63-11565	04-25	AROD-2238-5
N63-11566	04-20	ORNL-3251
N63-11567	04-20	BN-289
N63-11568		ACC. NO. NOT USED
N63-11569	04-26	ASD-TR-61-150, PT. II
N63-11570	04-18	ASD-TDR-62-617
N63-11571	04-23	LA-2712
N63-11572	04-23	LA-2750
N63-11573	04-07	OR-3530-2
N63-11574	04-33	NO REPORT NUMBER
N63-11575	04-19	NO REPORT NUMBER
N63-11576	04-01	NO REPORT NUMBER
N63-11577	04-28	NO REPORT NUMBER
N63-11578	04-12	NO REPORT NUMBER
N63-11579	04-18	NO REPORT NUMBER
N63-11580	04-07	NO REPORT NUMBER
N63-11581	04-23	NO REPORT NUMBER
N63-11582	04-33	NO REPORT NUMBER

N63-11583	04-33	NO REPORT NUMBER
N63-11584	04-20	NO REPORT NUMBER
N63-11585	04-08	NO REPORT NUMBER
N63-11586	04-08	NO REPORT NUMBER
N63-11587	04-07	AFCRL-62-698
N63-11588	04-07	NO REPORT NUMBER
N63-11589	04-07	NO REPORT NUMBER
N63-11590	04-07	NO REPORT NUMBER
N63-11591	04-12	NO REPORT NUMBER
N63-11592	04-12	NO REPORT NUMBER
N63-11593	04-14	JPRS-16404
N63-11594	04-14	NO REPORT NUMBER
N63-11595	04-14	NO REPORT NUMBER
N63-11596	04-14	NO REPORT NUMBER
N63-11597	04-12	NO REPORT NUMBER
N63-11598	04-21	AFCRL-62-1023
N63-11599	04-18	NO REPORT NUMBER
N63-11600	04-21	AFCRL-62-1127
N63-11601	04-20	ANL-6641
N63-11602	04-18	ASD-TR-62-520
N63-11603	04-21	SELWS-M-16
N63-11604	04-21	SELWS-M-17
N63-11605	04-18	JPRS-17016
N63-11606	04-10	AEDC-TDR-62-201
N63-11607	04-12	NO REPORT NUMBER
N63-11608	04-16	NO REPORT NUMBER
N63-11609	04-29	NASA-TT-F-89
N63-11610	04-15	PA-TM-1017
N63-11611	04-29	NASA-TT-F-113
N63-11612	04-20	NASA-TT-F-114
N63-11613	04-29	NASA-TN-D-1456
N63-11614	04-03	NASA-TN-D-1521
N63-11615	04-29	NASA-TN-D-1530
N63-11616	04-26	NASA-TN-D-1533
N63-11617	04-02	NASA-TN-D-1557
N63-11618	04-26	NASA-TN-D-1577
N63-11619	04-15	NASA-TN-D-1597
N63-11620	04-20	NASA-TN-D-1599
N63-11621	04-24	FR-012-844
N63-11622	04-20	IMM-NYU-295
N63-11623	04-15	NBS-TN-99
N63-11624	04-16	SAM-62-59
N63-11625	04-02	DTMB-1679
N63-11626	04-21	ERDAH-MET-2-63
N63-11627	04-11	AEDC-TDR-63-18
N63-11628	04-16	ARL-TDR-62-17
N63-11629	04-20	WAPD-TM-294
N63-11630	04-09	WADD-TR-61-48, PT. III
N63-11631	04-21	NBS-TN-98
N63-11632	04-20	AFCRL-62-354
N63-11633	04-09	PIBMRI-996-62
N63-11634	04-09	PIBMRI-1006-62
N63-11635	04-23	AFOSR-TN-2566
N63-11636	04-23	AFOSR-TN-2640
N63-11637	04-23	AFOSR-TN-2941
N63-11638	04-20	NO REPORT NUMBER
N63-11639	04-20	NO REPORT NUMBER
N63-11640	04-23	ANL-6517
N63-11641	04-20	WIS-AF-20, SER. 3
N63-11642	04-23	NO REPORT NUMBER
N63-11643	04-23	NO REPORT NUMBER
N63-11644	04-20	NO REPORT NUMBER
N63-11645	04-20	NO REPORT NUMBER
N63-11646	04-20	NO REPORT NUMBER
N63-11647	04-20	NO REPORT NUMBER
N63-11648		ACC. NO. NOT USED
N63-11649	04-01	NO REPORT NUMBER
N63-11650	04-01	TIL/T-5193
N63-11651	04-07	TIL/T-5339
N63-11652		ACC. NO. NOT USED
N63-11653	04-25	NO REPORT NUMBER
N63-11654	04-34	NO REPORT NUMBER
N63-11655	04-01	NO REPORT NUMBER
N63-11656	04-07	NO REPORT NUMBER
N63-11657	04-25	NO REPORT NUMBER
N63-11658	04-01	NO REPORT NUMBER
N63-11659	04-01	NO REPORT NUMBER
N63-11660	04-01	NO REPORT NUMBER
N63-11661	04-01	NO REPORT NUMBER
N63-11662	04-08	NO REPORT NUMBER
N63-11663	04-15	AEC-TR-5259
N63-11664	04-15	NO REPORT NUMBER
N63-11665	04-23	HW-73337
N63-11666	04-20	NO REPORT NUMBER
N63-11667	04-20	NO REPORT NUMBER
N63-11668	04-20	NO REPORT NUMBER
N63-11669	04-25	AFCRL-62-503
N63-11670	04-20	AFCRL-62-646
N63-11671	04-20	AFCRL-62-647
N63-11672	04-23	AFCRL-62-778
N63-11673	04-17	AID-62-89
N63-11674	04-20	AROD-2773-6
N63-11675	04-09	DOFL-R940-62-2
N63-11676	04-23	JPRS-1422
N63-11677	04-06	NO REPORT NUMBE
N63-11678	04-11	MIT-DSR-818
N63-11679	04-33	AROD-2998-
N63-11680	04-17	NASA-TN-D-156
N63-11681	04-23	NDL-TR-4
N63-11682	04-18	JPRS-1704
N63-11683	04-16	JPRS-1705
N63-11684	04-16	JPRS-1707
N63-11685	04-10	ACNP-62015
N63-11686	04-16	AMRL-TDR-62-13
N63-11687	04-01	R-452-22-62
N63-11688	04-11	NOLTR-62-160
N63-11689	04-20	ANL-662
N63-11690	04-07	UTC-2002-QT
N63-11691	04-15	BM-RI-6111
N63-11692	04-12	AFCRL-62-113
N63-11693	04-12	AFCRL-62-113
N63-11694	04-08	AFCRL-62-114
N63-11695	04-17	BM-RI-613
N63-11696	04-20	CARDE-TM-66/62
N63-11697	04-19	PWA-208
N63-11698	04-20	JPRS-1462
N63-11699	04-20	NO REPORT NUMBER
N63-11700	04-13	NO REPORT NUMBER
N63-11701	04-20	NO REPORT NUMBER
N63-11702	04-08	NO REPORT NUMBER
N63-11703	04-07	NO REPORT NUMBER
N63-11704	04-24	MATT-134
N63-11705	04-24	MATT-139
N63-11706	04-24	MATT-152
N63-11707	04-33	MATT-154
N63-11708	04-24	MATT-155
N63-11709	04-24	AFCRL-62-104
N63-11710	04-21	AFCRL-62-101
N63-11711	04-07	S-480
N63-11712	04-11	NO REPORT NUMBER
N63-11713	04-16	CEX-59.4.16
N63-11714	04-04	LW-INTERN-27
N63-11715	04-04	UE-27-139
N63-11716	04-16	JPRS-14449
N63-11717	04-07	CCL-132
N63-11718	04-07	CCL-133
N63-11719	04-24	AFCRL-62-906
N63-11720	04-16	AEC-TR-5376
N63-11721	04-18	ARDC-TR-59-66
N63-11722	04-18	ARDC-TR-59-66, SUPPL. I
N63-11723	04-01	NO REPORT NUMBER
N63-11724	04-01	NO REPORT NUMBER
N63-11725	04-01	NO REPORT NUMBER
N63-11726	04-01	NO REPORT NUMBER
N63-11727	04-10	NO REPORT NUMBER
N63-11728	04-01	NO REPORT NUMBER
N63-11729	04-17	BMI-1606
N63-11730	04-23	ORNL-3289
N63-11731	04-11	NO REPORT NUMBER
N63-11732	04-17	AID-62-205
N63-11733	04-20	BRL-1176
N63-11734	04-23	BM-RI-6147
N63-11735	04-30	TG-416-A
N63-11736	04-07	NO REPORT NUMBER
N63-11737	04-20	AROD-247-54
N63-11738	04-07	NO REPORT NUMBER
N63-11739	04-25	NOTS-TP-2984
N63-11740	04-16	NASA-TN-D-1083
N63-11741	04-06	NASA-TN-D-1543
N63-11742	04-13	NASA-TN-D-1567
N63-11743	04-15	DRL-490
N63-11744	04-09	R-155
N63-11745	04-09	R-158
N63-11746	04-03	CAL-BB-1495-S-1
N63-11747	04-20	TCEA-TN-10
N63-11748	04-15	ARL-62-463
N63-11749	04-04	TCREC-TR-62-73
N63-11750	04-08	AMC-RR-TR-62-10
N63-11751	04-13	ANL-6645
N63-11752	04-20	ANL-6647
N63-11753		ACC. NO. NOT USED
N63-11754	04-23	ORNL-3360
N63-11755	04-16	AMRL-TDR-62-136
N63-11756	04-17	MTI-62TR29
N63-11757	04-26	NO REPORT NUMBER
N63-11758	04-18	DSR-7618
N63-11759	04-27	R-2850AS
N63-11760		ACC. NO. NOT USED
N63-11761	04-04	NO REPORT NUMBER
N63-11762	04-12	NO REPORT NUMBER

N63-11763	04-23	NO REPORT NUMBER
N63-11764	04-07	EUR-90.D
N63-11765	04-23	EUR-88.F
N63-11766	04-20	EUR-144.F
N63-11767	04-26	EUR-112.E,F, VOL. 1
N63-11768	04-26	EUR-112.E,F, VOL. 3
N63-11769	04-18	MRL-125
N63-11770	04-23	MRL-127
N63-11771	04-07	NO REPORT NUMBER
N63-11772	04-16	FPRC/MEMO-176
N63-11773	04-16	FPRC/MEMO-175
N63-11774	04-23	BRN-3-P
N63-11775	04-15	AEDC-TDR-62-191
N63-11776	04-16	JPRS-17117
N63-11777	04-20	JPRS-17137
N63-11778	04-16	JPRS-17161
N63-11779	04-02	NASA-TR-R-125
N63-11780	04-22	NASA-TR-R-128
N63-11781	04-27	NASA-TR-R-140
N63-11782	04-07	ARL-62-439
N63-11783	04-12	NO REPORT NUMBER
N63-11784	04-25	S-472
N63-11785	04-04	ASD-TDR-62-507
N63-11786	04-18	ASD-TDR-62-734
N63-11787	04-16	AMRL-TDR-62-108
N63-11788	04-16	AMRL-TDR-62-123
N63-11789	04-28	NO REPORT NUMBER
N63-11790	04-16	ARL-TDR-62-25
N63-11791	04-16	ARL-TDR-62-27
N63-11792	04-16	ARL-TDR-62-28
N63-11793	04-16	ARL-TDR-62-30
N63-11794	04-19	R62SD57
N63-11795	04-11	R62SD79
N63-11796	04-23	UCRL-10426
N63-11797	04-19	UCRL-10435
N63-11798	04-20	UCRL-10491
N63-11799	04-17	EK/ARD-ED-866
N63-11800	04-11	BRL-TN-1473
N63-11801	04-07	CCL-134
N63-11802	04-20	NYO-9192
N63-11803	04-15	AFCRL-62-933
N63-11804	04-01	NO REPORT NUMBER
N63-11805	04-23	HW-74731, PT. II
N63-11806	04-23	BN-307
N63-11807	04-25	ATL-D-786
N63-11808	04-01	NO REPORT NUMBER
N63-11809	04-22	NO REPORT NUMBER
N63-11810	04-08	NO REPORT NUMBER
N63-11811	04-13	FPRC/1202
N63-11812	04-17	IS-464
N63-11813	04-20	IS-507
N63-11814	04-09	JPRS-17092
N63-11815	04-07	ANL-6637
N63-11816	04-23	DP-788
N63-11817	04-23	DP-795
N63-11818	04-23	DP-811
N63-11819	04-23	LA-2761
N63-11820	04-23	LAMS-2815
N63-11821	04-17	ARF-1164-27
N63-11822	04-16	AEC-TR-5427
N63-11823	04-29	SAO SPECIAL REPT.-105
N63-11824	04-16	AEC-TR-5236
N63-11825	04-06	NAA-SR-7140
N63-11826	04-07	NAA-SR-7482
N63-11827	04-07	NAA-SR-7511
N63-11828	04-23	TID-16999
N63-11829	04-17	WAPD-TM-323
N63-11830	04-23	EUR-133.I
N63-11831	04-07	R-334-20
N63-11832	04-03	NLL-TR-S.527
N63-11833	04-11	G-25
N63-11834	04-16	AID-62-200
N63-11835	04-16	AID-62-201
N63-11836	04-16	AID-62-202
N63-11837	04-16	AID-62-204
N63-11838	04-03	AGARD-275
N63-11839	04-16	JPRS-17162
N63-11840	04-16	JPRS-17170
N63-11841	04-16	JPRS-17171
N63-11842	04-12	JPRS-17175
N63-11843	04-07	JPRS-17176
N63-11844	04-16	UR-619
N63-11845	04-16	UR-621
N63-11846	04-02	NASA-TN-D-1481
N63-11847	04-17	IDO-16811
N63-11848	04-11	NO REPORT NUMBER
N63-11849		ACC. NO. NOT USED
N63-11850	04-07	GCA-TR-62-25-A
N63-11851	04-09	MS-770
N63-11852	04-21	MO-712
N63-11853	04-15	D228-421-011
N63-11854	04-19	BM-RI-6142
N63-11855	04-07	BM-RI-6148
N63-11856	04-33	NO REPORT NUMBER
N63-11857	04-27	AEDC-TDR-62-196
N63-11858	04-23	AFCRL-62-877
N63-11859	04-12	RAD-TR-62-64
N63-11860	04-15	AFCRL-62-1064
N63-11861	04-02	RAL-RR-190
N63-11862	04-20	AFOSR/DRA-62-21
N63-11863	04-20	OTS-61-11303
N63-11864	04-23	NO REPORT NUMBER
N63-11865	04-23	NYO-10241
N63-11866	04-23	AE63-0006
N63-11867	04-23	AMC-RR-TR-62-8
N63-11868	04-23	SLAC-3
N63-11869	04-23	SLAC-4
N63-11870	04-23	SLAC-6
N63-11871	04-13	ARL-62-442
N63-11872	04-18	JPRS-17155
N63-11873	04-33	CU-15-62-ONR-266/78/-CE
N63-11874	04-33	CU-16-62-ONR-266/78/-CE
N63-11875	04-23	CU-17-62-ONR-266/78/-CE
N63-11876	04-21	NO REPORT NUMBER
N63-11877	04-15	BENDIX RLD-2055
N63-11878	04-26	ASD-TDR-62-1027
N63-11879	04-20	NO REPORT NUMBER
N63-11880	04-11	TDR-169/3230-12/TN-4
N63-11881	04-21	MSL-10
N63-11882	04-24	NO REPORT NUMBER
N63-11883	04-11	NO REPORT NUMBER
N63-11884	04-11	TRG-158-FR
N63-11885	04-09	PIBMRI-1052-62
N63-11886	04-27	NOTS-TP-2876
N63-11887	04-18	NO REPORT NUMBER
N63-11888	04-28	SUI-62-27
N63-11889	04-19	SCA-34300
N63-11890	04-10	QE/C-62-513
N63-11891	04-08	AFCRL-62-343
N63-11892	04-08	AFCRL-62-344
N63-11893	04-12	AFCRL-62-345
N63-11894	04-08	AFCRL-62-346
N63-11895	04-08	AFCRL-62-347
N63-11896	04-08	AFCRL-62-348
N63-11897	04-12	AFCRL-62-350
N63-11898	04-12	AFCRL-62-351
N63-11899	04-12	AFCRL-62-352
N63-11900	04-08	AFCRL-62-353
N63-11901	04-03	ARC-R&M-3286
N63-11902	04-02	ARC-R&M-3290
N63-11903	04-03	ARC-R&M-3299
N63-11904	04-23	NO REPORT NUMBER
N63-11905	04-21	NO REPORT NUMBER
N63-11906	04-17	NO REPORT NUMBER
N63-11907	04-03	NAL-TR-9T
N63-11908	04-10	NAL-TR-24
N63-11909	04-02	NAL-TR-26
N63-11910	04-03	NAL-TR-27
N63-11911	04-33	NAL-TR-28
N63-11912	04-18	NO REPORT NUMBER
N63-11913	04-08	PIBMRI-1041-62
N63-11914	04-09	PIBMRI-1051-62
N63-11915	04-13	DMIC-177, VOL. 1
N63-11916	04-13	DMIC-177, VOL. 2
N63-11917	04-08	RAE-TRANS-998
N63-11918	04-33	ERR-AN-110
N63-11919	04-17	PF-62-15
N63-11920	04-05	NO REPORT NUMBER
N63-11921		ACC. NO. NOT USED
N63-11922	04-16	AMRL-TDR-62-131
N63-11923	04-15	ASD-TDR-62-793
N63-11924	04-16	AMRL-TDR-62-126
N63-11925	04-03	CP-583
N63-11926	04-11	CP-607
N63-11927	04-11	CP-609
N63-11928	04-23	PNE-128F
N63-11929	04-01	TD-937
N63-11930	04-17	AID-S-63-3
N63-11931	04-27	NO REPORT NUMBER
N63-11932	04-27	NO REPORT NUMBER
N63-11933	04-16	NO REPORT NUMBER
N63-11934	04-14	JPRS-17219
N63-11935	04-09	JPRS-17220
N63-11936	04-16	AEC-TR-5445
N63-11937	04-23	WAPD-BT-27
N63-11938	04-23	NO REPORT NUMBER
N63-11939	04-23	NO REPORT NUMBER
N63-11940	04-23	NO REPORT NUMBER
N63-11941	04-17	NO REPORT NUMBER
N63-11942	04-23	NO REPORT NUMBER

N63-11943	04-13	NO REPORT NUMBER
N63-11944	04-20	NO REPORT NUMBER
N63-11945	04-20	TR-1088
N63-11946	04-11	NO REPORT NUMBER
N63-11947	04-08	GEAP-4026
N63-11948	04-16	JPRS-17202
N63-11949	04-16	NO REPORT NUMBER
N63-11950	04-16	NO REPORT NUMBER
N63-11951	05-12	NO REPORT NUMBER
N63-11952	05-09	NO REPORT NUMBER
N63-11953	05-09	AFCRL-62-728
N63-11954	05-15	AFCRL-62-875
N63-11955	05-15	D228-421-012
N63-11956	05-11	BSD-TDR-62-118
N63-11957	05-11	.. AERONAUTICAL ENG. REPT.-620
N63-11958	05-11	.. AERONAUTICAL ENG. REPT.-623
N63-11959	05-11	AFBSD-TDR-62-144
N63-11960	05-22	TG-459
N63-11961	05-15	BM-RI-6149
N63-11962	05-07	ONR-TR-RLT-55
N63-11963	05-32	NASA FACTS-F-12-62
N63-11964	05-27	DMIC-180
N63-11965	05-21	AFCRL-62-1094
N63-11966	05-11	NO REPORT NUMBER
N63-11967	05-25	NO REPORT NUMBER
N63-11968	05-25	NO REPORT NUMBER
N63-11969	05-25	NO REPORT NUMBER
N63-11970	05-25	NO REPORT NUMBER
N63-11971	05-25	NO REPORT NUMBER
N63-11972	05-26	NO REPORT NUMBER
N63-11973	05-24	AEDC-TDR-63-5
N63-11974	05-17	HW-73698, REV.
N63-11975	05-18	HW-75267
N63-11976	05-15	HW-75384
N63-11977	05-17	NO REPORT NUMBER
N63-11978	05-15	.. AERONAUTICAL ENG. REPT.-633
N63-11979	05-23	GEAP-4024
N63-11980	05-12	NBS-7633
N63-11981	05-11	R62SD16 - CLASS I
N63-11982	05-23	SLAC-9
N63-11983	05-23	ORNL-3367
N63-11984	05-13	LAMS-2793
N63-11985	05-15	LA-2812
N63-11986	05-30	NASA-TN-D-1493
N63-11987	05-20	NOLTR-62-131
N63-11988	05-27	PWA-2106
N63-11989	05-23	EOS-2230-Q-3
N63-11990	05-32	NASA-SP-12
N63-11991	05-32	NO REPORT NUMBER
N63-11992	05-32	NO REPORT NUMBER
N63-11993	05-16	NO REPORT NUMBER
N63-11994	05-32	NO REPORT NUMBER
N63-11995	05-32	NO REPORT NUMBER
N63-11996	05-19	UCRL-6743
N63-11997	05-07	UCRL-10437
N63-11998	05-25	UCRL-10466
N63-11999	05-19	UCRL-10468
N63-12000	05-07	UCRL-10505
N63-12001	05-02	FFA-91
N63-12002	05-02	TCREC-TR-62-46
N63-12003	05-21	NASA-TN-D-1569
N63-12004	05-33	NASA-TN-D-1600
N63-12005	05-33	APGC-TDR-62-74
N63-12006	05-19	NO REPORT NUMBER
N63-12007	05-07	HW-71232
N63-12008	05-20	NO REPORT NUMBER
N63-12009	05-20	NO REPORT NUMBER
N63-12010	05-20	NO REPORT NUMBER
N63-12011	05-16	JPRS-17222
N63-12012	05-09	JPRS-17225
N63-12013	05-09	JPRS-17227
N63-12014	05-16	JPRS-17239
N63-12015	05-16	JPRS-17250
N63-12016	05-06	JPRS-17252
N63-12017	05-17	JPRS-17253
N63-12018	05-15	JPRS-17257
N63-12019	05-01	JPRS-17261
N63-12020	05-16	JPRS-17262
N63-12021	05-18	JPRS-17275
N63-12022	05-07	MCW-1479
N63-12023	05-16	AEC-TR-5242
N63-12024	05-23	AFCRL-62-796
N63-12025	05-11	
N63-12026	05-11	ARL-62-396
N63-12027	05-18	ARL-62-453
N63-12028	05-12	AID-S-63-5
N63-12029	05-29	AFCRL-62-311
N63-12030	05-29	RAE-TRANS-1015
N63-12031	05-04	RAE-TRANS-1016
N63-12032	05-20	NO REPORT NUMBER
N63-12033	05-24	NO REPORT NUMBER
N63-12034	05-28	CRSR-130
N63-12035	05-24	EFINS-62-72
N63-12036		A-920057-11
N63-12037	05-20	ACC. NO. NOT USED
N63-12038	05-14	NO REPORT NUMBER
N63-12039	05-15	LB-30977
N63-12040	05-29	BSD-TDR-62-31
N63-12041	05-05	RM-3140-NASA
N63-12042	05-24	NO REPORT NUMBER
N63-12043	05-05	BN-30
N63-12044	05-09	PR-3
N63-12045	05-17	ESL-R-14
N63-12046	05-15	ESL-TM-141
N63-12047	05-33	NO REPORT NUMBER
N63-12048	05-08	FS-AMD-R62-11
N63-12049	05-23	MR-005.09-1401.04
N63-12050	05-23	NO REPORT NUMBER
N63-12051	05-04	NO REPORT NUMBER
N63-12052	05-07	TCREC-TR-62-88
N63-12053	05-32	NO REPORT NUMBER
N63-12054	05-23	NO REPORT NUMBER
N63-12055	05-07	NO REPORT NUMBER
N63-12056	05-18	HW-73747 REV.
N63-12057	05-19	NO REPORT NUMBER
N63-12058	05-21	NO REPORT NUMBER
N63-12059	05-05	NO REPORT NUMBER
N63-12060	05-12	ML-975
N63-12061	05-20	UCRL-6942
N63-12062	05-32	NASA-TT-F-133
N63-12063	05-29	NASA-TN-D-1544
N63-12064	05-28	NASA-TN-D-1668
N63-12065	05-16	NASA-TN-D-1675
N63-12066	05-16	JPRS-17249
N63-12067	05-16	NO REPORT NUMBER
N63-12068	05-15	NO REPORT NUMBER
N63-12069	05-19	NO REPORT NUMBER
N63-12070	05-09	R-3498
N63-12071	05-05	PIBMRI-1075-62
N63-12072	05-30	NO REPORT NUMBER
N63-12073	05-30	NASA FACTS-G-12-62
N63-12074	05-05	NASA FACTS-E-10-62
N63-12075	05-29	NASA-TN-D-1417
N63-12076	05-20	NASA-TN-D-1468
N63-12077	05-05	TEES-2671-2
N63-12078	05-05	BN-290
N63-12079	05-23	BN-291
N63-12080	05-08	NO REPORT NUMBER
N63-12081	05-21	NO REPORT NUMBER
N63-12082	05-32	AFCRL-62-867
N63-12083	05-08	NO REPORT NUMBER
N63-12084	05-09	USNRDL-TR-544
N63-12085	05-21	NO REPORT NUMBER
N63-12086	05-09	NO REPORT NUMBER
N63-12087	05-13	NO REPORT NUMBER
N63-12088	05-20	ATN-63/9206/-3
N63-12089	05-24	NO REPORT NUMBER
N63-12090	05-20	R62SD991
N63-12091	05-32	BR-39
N63-12092	05-20	NASA FACTS-D-62
N63-12093	05-02	CARDE-TM-662/62
N63-12094	05-23	ARC-CP-615
N63-12095	05-20	MRL-126
N63-12096	05-18	AROD-2579-13
N63-12097	05-26	NO REPORT NUMBER
N63-12098	05-11	NO REPORT NUMBER
N63-12099	05-15	.. AERONAUTICAL ENG. REPT.-619
N63-12100	05-19	NO REPORT NUMBER
N63-12101	05-10	USNRDL-TR-547
N63-12102	05-07	FR081-1313
N63-12103	05-11	MATT-148
N63-12104	05-15	K-1535
N63-12105	05-17	TDR-169/3153/TR-1
N63-12106	05-09	WAL-401.54/2-4
N63-12107	05-24	SEL-62-093
N63-12108	05-13	AE-62-0218-M
N63-12109	05-06	MITNE-21
N63-12110	05-26	NO REPORT NUMBER
N63-12111	05-13	NO REPORT NUMBER
N63-12112	05-33	NO REPORT NUMBER
N63-12113	05-17	RAE-TRANS-996
N63-12114	05-26	NO REPORT NUMBER
N63-12115	05-05	NOLTR-61-171
N63-12116	05-05	SAO SPECIAL REPT.-104
N63-12117	05-29	SAO SPECIAL REPT.-106
N63-12118	05-29	SAO SPECIAL REPT.-107
N63-12119	05-05	SAO SPECIAL REPT.-108
N63-12120	05-28	SAO SPECIAL REPT.-109
N63-12121	05-28	AFCRL-62-1066
N63-12122	05-28	AFCRL-62-1117
		AFCRL-62-1062

N63-12123 05-26 ..... R-2267-8
N63-12124 05-24 ..... R62SD14
N63-12125 05-32 ..... NASA-TN-D-1422
N63-12126 05-13 .....
N63-12127 05-20 ..... R62SD987
N63-12128 05-03 ..... AROD-1517-44
N63-12129 05-18 ..... ARC-R&M-3294
N63-12130 05-13 ..... NO REPORT NUMBER
N63-12131 05-08 ..... MITNE-22, BK.I
N63-12132 05-11 ..... PIBMRI-1103-62
N63-12133 05-16 ..... PIBAL-773
N63-12134 05-18 ..... JPRS-17274
N63-12135 05-21 ..... JPRS-17296
N63-12136 05-18 ..... JPRS-17299
N63-12137 05-12 ..... JPRS-17322
N63-12138 05-01 ..... AID-S-63-4
N63-12139 05-23 ..... NO REPORT NUMBER
N63-12140 05-07 ..... GA-2802
N63-12141 05-20 ..... ANL-6642
N63-12142 05-20 ..... AFCRL-62-911
N63-12143 05-07 ..... NO REPORT NUMBER
N63-12144 05-12 ..... RMD-5009-Q2
N63-12145 05-24 ..... NS-1
N63-12146 05-05 ..... TP-43
N63-12147 05-23 ..... AFCRL-62-1059
N63-12148 05-12 ..... CX-59
N63-12149 05-32 ..... AFCRL-62-1134
N63-12150 05-28 ..... NO REPORT NUMBER
N63-12151 05-05 ..... NO REPORT NUMBER
N63-12152 05-20 ..... NO REPORT NUMBER
N63-12153 05-11 ..... NO REPORT NUMBER
N63-12154 05-23 ..... NO REPORT NUMBER
N63-12155 05-19 ..... NO REPORT NUMBER
N63-12156 05-17 ..... NAA-SR-7398
N63-12157 05-26 ..... ESRD-7-19
N63-12158 05-33 ..... ASD-TR-408, SUPPL. 1
N63-12159 05-12 ..... NO REPORT NUMBER
N63-12160 05-26 ..... NASA-TN-D-1546
N63-12161 05-23 ..... NASA-TN-D-1582
N63-12162 05-19 ..... CU-3-62-ONR-266/34/-CE/A
N63-12163 05-23 ..... NO REPORT NUMBER
N63-12164 05-23 ..... APGC-TDR-63-2
N63-12165 05-17 ..... AEC-TR-5458
N63-12166 05-18 ..... DRL-498
N63-12167 05-21 ..... WAL-TR-834.12/2
N63-12168 05-17 ..... NO REPORT NUMBER
N63-12169 05-17 ..... CA-4251-0160, VOL. I
N63-12170 05-26 ..... CA-4251-0160, VOL. II
N63-12171 05-26 ..... ASD-TDR-62-1041
N63-12172 05-15 ..... ASD-TDR-62-1042
N63-12173 05-20 ..... K-1445
N63-12174 05-23 ..... LA-2376 ADDENDA
N63-12175 05-04 ..... LAMS-2795
N63-12176 05-18 ..... NO REPORT NUMBER
N63-12177 05-18 ..... BM-RI-6155
N63-12178 05-26 ..... NO REPORT NUMBER
N63-12179 05-28 ..... NO REPORT NUMBER
N63-12180 05-11 ..... NO REPORT NUMBER
N63-12181 05-25 ..... NO REPORT NUMBER
N63-12182 05-33 ..... NO REPORT NUMBER
N63-12183 05-11 ..... DASA-1299
N63-12184 05-33 ..... TRG-140-FR
N63-12185 05-09 ..... DMIC-MEMO-161
N63-12186 05-18 ..... AFCRL-62-927
N63-12187 05-18 ..... JPRS-17306
N63-12188 05-18 ..... NO REPORT NUMBER
N63-12189 05-17 ..... NO REPORT NUMBER
N63-12190 05-16 ..... JPRS-17323
N63-12191 05-02 ..... JPRS-17326
N63-12192 05-04 ..... NASA-TM-X-254
N63-12193 05-19 ..... NASA-TN-D-1279
N63-12194 05-23 ..... NASA-TN-D-1442
N63-12195 05-30 ..... NASA-TN-D-1490
N63-12196 05-11 ..... NASA-TN-D-1563
N63-12197 05-17 ..... NO REPORT NUMBER
N63-12198 05-12 ..... JPRS-17356
N63-12199 05-26 ..... UAG-R127
N63-12200 05-06 ..... NOLTR-62-19
N63-12201 05-05 ..... ER-4544
N63-12202 05-05 ..... JPRS-17363
N63-12203 05-05 ..... NO REPORT NUMBER
N63-12204 05-05 ..... NO REPORT NUMBER
N63-12205 05-27 ..... NO REPORT NUMBER
N63-12206 05-15 ..... NO REPORT NUMBER
N63-12207 05-26 ..... NO REPORT NUMBER
N63-12208 05-15 ..... U-1988
N63-12209 05-15 ..... NAA-SR-7077
N63-12210 05-08 ..... ANL-6537
N63-12211 05-27 ..... NO REPORT NUMBER
N63-12212 05-18 ..... TID-16315/DEL./
N63-12213 05-16 ..... SC-4747/RR/
N63-12214 05-23 ..... JPL-TR-32-289
N63-12215 05-20 ..... NASA-TN-D-1646
N63-12216 05-07 ..... BB-311
N63-12217 05-07 ..... AROD-1395-10
N63-12218 05-07 ..... AROD-1443-55
N63-12219 05-10 ..... ORNL-3375
N63-12220 05-29 ..... ESD-TDR-62-336
N63-12221 05-23 ..... CM-1026
N63-12222 05-27 ..... SLAC-7
N63-12223 05-25 ..... TDR-930/2701-01/TN-1, VOL. II
N63-12224 05-23 ..... JPRS-17348
N63-12225 05-18 ..... JPRS-17376
N63-12226 05-18 ..... JPRS-17370
N63-12227 05-18 ..... NO REPORT NUMBER
N63-12228 05-18 ..... NO REPORT NUMBER
N63-12229 05-18 ..... NO REPORT NUMBER
N63-12230 05-07 ..... NO REPORT NUMBER
N63-12231 05-07 ..... JPRS-17345
N63-12232 05-07 ..... NO REPORT NUMBER
N63-12233 05-23 ..... NO REPORT NUMBER
N63-12234 05-25 ..... AFC-TR-3406
N63-12235 05-16 ..... NO REPORT NUMBER
N63-12236 05-16 ..... NO REPORT NUMBER
N63-12237 05-33 ..... NO REPORT NUMBER
N63-12238 05-16 ..... NO REPORT NUMBER
N63-12239 05-16 ..... DASA-1312
N63-12240 05-16 ..... DASA-1335
N63-12241 05-04 ..... DASA-1313
N63-12242 05-27 ..... AP-5061-R
N63-12243 05-04 ..... AP-5062-R
N63-12244 05-23 ..... NASA-TN-D-1516
N63-12245 05-11 ..... NASA-TN-D-1519
N63-12246 05-30 ..... NASA-TN-D-1564
N63-12247 05-04 ..... NASA-TN-D-1593
N63-12248 05-14 ..... NASA-TN-D-1647
N63-12249 05-16 ..... CARI-62-16
N63-12250 05-16 ..... CARI-62-19
N63-12251 05-16 ..... CARI-62-20
N63-12252 05-32 ..... NO REPORT NUMBER
N63-12253 05-11 ..... NASA-TN-D-608
N63-12254 05-11 ..... AEDC-TDR-63-3
N63-12255 05-17 ..... AEDC-TDR-63-30
N63-12256 05-33 ..... ABL/Z-48
N63-12257 05-33 ..... TIS-R62-SD77
N63-12258 05-24 ..... ORNL-3299
N63-12259 05-20 ..... ORNL-3387
N63-12260 05-07 ..... LAMS-2809
N63-12261 05-18 ..... ASD-TDR-62-873
N63-12262 05-11 ..... NO REPORT NUMBER
N63-12263 05-26 ..... NASA-TT-F-79
N63-12264 05-26 ..... NO REPORT NUMBER
N63-12265 05-26 ..... NO REPORT NUMBER
N63-12266 05-26 ..... NO REPORT NUMBER
N63-12267 05-11 ..... NO REPORT NUMBER
N63-12268 05-11 ..... NO REPORT NUMBER
N63-12269 05-11 ..... NO REPORT NUMBER
N63-12270 05-11 ..... NO REPORT NUMBER
N63-12271 05-11 ..... NO REPORT NUMBER
N63-12272 05-11 ..... NO REPORT NUMBER
N63-12273 05-26 ..... NO REPORT NUMBER
N63-12274 05-26 ..... NO REPORT NUMBER
N63-12275 05-26 ..... NO REPORT NUMBER
N63-12276 05-18 ..... WADD-TR-60-37, PT. III
N63-12277 05-16 ..... CARI-62-18
N63-12278 05-18 ..... UCRL-13052
N63-12279 05-15 ..... TDR-169/3210-06/TR-1
N63-12280 05-26 ..... TR-800-5
N63-12281 05-16 ..... DASA-1334
N63-12282 05-23 ..... IER SER. 131, ISSUE 18
N63-12283 05-08 ..... NO REPORT NUMBER
N63-12284 05-18 ..... ASD-TDR-62-354
N63-12285 05-18 ..... ASD-TDR-62-508
N63-12286 05-18 ..... ASD-TDR-62-667
N63-12287 05-02 ..... NASA-TN-D-972
N63-12288 05-15 ..... ATL-D-811
N63-12289 05-21 ..... AFCRL-62-1091
N63-12290 05-12 ..... AFCRL-62-1021
N63-12291 05-01 ..... NO REPORT NUMBER
N63-12292 05-01 ..... NO REPORT NUMBER
N63-12293 05-01 ..... NO REPORT NUMBER
N63-12294 05-01 ..... AU-290-61-RSI
N63-12295 05-06 ..... NO REPORT NUMBER
N63-12296 05-18 ..... DMIC-MEMO-162
N63-12297 05-08 ..... AMRL-TDR-62-144
N63-12298 05-12 ..... AFCRL-62-1071
N63-12299 05-15 ..... AI-8058
N63-12300 05-15 ..... D228-421-013
N63-12301 05-15 ..... ASD-TDR-62-165, VOL. I.
N63-12302 05-27 ..... MIT-29-P

N63-12303	05-21	SELWS-M-21
N63-12304	05-18	WAL-TR-650/1
N63-12305	05-07	SRI-14-P
N63-12306	05-11	CU-1-62-ONR-266/86/-CE
N63-12307	05-11	CU-1-63-ONR-266/86/-CE
N63-12308	05-18	ASD-TDR-62-858
N63-12309	05-18	ASD-TDR-62-859
N63-12310	05-23	NO REPORT NUMBER
N63-12311	05-06	AI-7950
N63-12312	05-20	NASA-TN-D-1320
N63-12313	05-11	NO REPORT NUMBER
N63-12314	05-25	NO REPORT NUMBER
N63-12315	05-18	AROD-3394-1
N63-12316	05-10	ORNL-3372
N63-12317	05-10	ANL-6616
N63-12318	05-10	ANL-6672
N63-12319	05-09	AID-S-63-13
N63-12320	05-11	ARL-62-457
N63-12321	05-16	LF-5
N63-12322	05-09	PIBMRI-1040-62
N63-12323	05-09	PIBMRI-1084-62
N63-12324	05-27	R-3703-3
N63-12325	05-09	JPRS-17391
N63-12326	05-23	JPRS-17398
N63-12327	05-20	JPRS-17405
N63-12328	05-28	SUI-62-31
N63-12329	05-16	SAM-TDR-62-123
N63-12330	05-16	SAM-TDR-62-133
N63-12331	05-20	SAM-TDR-62-134
N63-12332	05-14	SAM-TDR-62-145
N63-12333	05-07	BNL-639/T-2010/
N63-12334	05-19	BNL-745/T-270/
N63-12335	05-07	BNL-753/T-278/
N63-12336	05-15	BNL-763/T-284/
N63-12337	05-17	BNL-764/T-285/
N63-12338	05-23	BNL-768/N-7/
N63-12339	05-33	NO REPORT NUMBER
N63-12340	05-20	WIS-TCI-7, SER. 2
N63-12341	05-29	JPL-SPS-37-18, VOL. VI
N63-12342	05-33	NO REPORT NUMBER
N63-12343	05-01	NO REPORT NUMBER
N63-12344	05-09	ANL-6634
N63-12345	05-20	ORNL-3394
N63-12346	05-11	RM-214
N63-12347	05-28	NO REPORT NUMBER
N63-12348	05-11	NO REPORT NUMBER
N63-12349	05-12	BM-RI-6151
N63-12350	05-07	NO REPORT NUMBER
N63-12351	06-15	NO REPORT NUMBER
N63-12352	06-15	NO REPORT NUMBER
N63-12353	06-05	NO REPORT NUMBER
N63-12354	06-11	WIS-TCI-6, SER. 2
N63-12355	06-34	NSL-62-228
N63-12356	06-16	NSL-62-125-2
N63-12357	06-21	NO REPORT NUMBER
N63-12358	06-09	NO REPORT NUMBER
N63-12359	06-32	NO REPORT NUMBER
N63-12360	06-31	NO REPORT NUMBER
N63-12361	06-32	NO REPORT NUMBER
N63-12362	06-05	AFCRL-62-1120
N63-12363	06-15	TIL/T-5280
N63-12364	06-01	NO REPORT NUMBER
N63-12365	06-01	NO REPORT NUMBER
N63-12366	06-15	ESL-R-137
N63-12367	06-17	A62-12
N63-12368	06-11	NWL-1835
N63-12369	06-02	FLIGHT SCIENCES LAB. TR-64
N63-12370	06-17	TR-62-8
N63-12371	06-22	RG-TR-62-8
N63-12372	06-07	CCL-135
N63-12373	06-07	CCL-136
N63-12374	06-07	CCL-137
N63-12375	06-18	BM-RI-6154
N63-12376	06-18	WAL-TR-372/32-3-T1
N63-12377	06-18	WAL-TR-372/32-3-T3
N63-12378	06-16	P-2/168
N63-12379	06-12	JS-3
N63-12380	06-18	NO REPORT NUMBER
N63-12381	06-20	MRC-349
N63-12382	06-20	MRC-350
N63-12383	06-05	MRC-351
N63-12384	06-20	MRC-353
N63-12385	06-20	MRC-354
N63-12386	06-11	MRC-358
N63-12387	06-20	MRC-359
N63-12388	06-20	MRC-361
N63-12389	06-20	MRC-367
N63-12390	06-20	MRC-369
N63-12391	06-16	JPRS-17402
N63-12392	06-16	NO REPORT NUMBER
N63-12393	06-16	NO REPORT NUMBER
N63-12394	06-16	NO REPORT NUMBER
N63-12395	06-16	NO REPORT NUMBER
N63-12396	06-16	NO REPORT NUMBER
N63-12397	06-16	NO REPORT NUMBER
N63-12398	06-16	NO REPORT NUMBER
N63-12399	06-16	NO REPORT NUMBER
N63-12400	06-07	NO REPORT NUMBER
N63-12401	06-07	NBL-18
N63-12402	06-26	NO REPORT NUMBER
N63-12403	06-33	TTRI-4
N63-12404	06-33	TTRI-5
N63-12405	06-17	TR-2311-6026-RU00
N63-12406	06-19	ASD-TDR-62-70
N63-12407	06-07	BM-RI-6161
N63-12408	06-07	BM-RI-6167
N63-12409	06-15	NOLC-57
N63-12410	06-23	HW-7512
N63-12411	06-23	HW-7522
N63-12412	06-19	HW-7542
N63-12413	06-20	AFCRL-62-946
N63-12414	06-10	WAPD-MRP-101
N63-12415	06-12	NO REPORT NUMBER
N63-12416	06-01	NO REPORT NUMBER
N63-12417	06-06	NO REPORT NUMBER
N63-12418	06-16	NO REPORT NUMBER
N63-12419	06-23	UCRL-10366
N63-12420	06-23	UCRL-10504
N63-12421	06-07	UCRL-10575
N63-12422	06-23	UCRL-10531
N63-12423	06-23	UCRL-7001
N63-12424	06-07	UCRL-7128
N63-12425	06-13	PA-TM-1119
N63-12426	06-07	PA-TR-3008
N63-12427	06-33	SDL-324
N63-12428	06-19	NO REPORT NUMBER
N63-12429	06-15	NOLC-576
N63-12430		ACC. NO. NOT USED
N63-12431	06-07	BM-RI-6153
N63-12432	06-19	BM-RI-6157
N63-12433	06-16	ARL-TDR-62-29
N63-12434	06-11	NO REPORT NUMBER
N63-12435	06-07	NBL-188
N63-12436	06-07	NO REPORT NUMBER
N63-12437	06-07	NO REPORT NUMBER
N63-12438	06-07	NO REPORT NUMBER
N63-12439	06-07	NO REPORT NUMBER
N63-12440	06-07	NO REPORT NUMBER
N63-12441	06-07	NO REPORT NUMBER
N63-12442	06-07	NO REPORT NUMBER
N63-12443	06-07	NO REPORT NUMBER
N63-12444	06-07	NO REPORT NUMBER
N63-12445	06-07	NO REPORT NUMBER
N63-12446	06-11	NWL-1836
N63-12447	06-07	RT/CHI/62/13
N63-12448	06-15	RT/EL/62/11
N63-12449		ACC. NO. NOT USED
N63-12450	06-30	BSD-TDR-62-331
N63-12451	06-30	BSD-TDR-62-329
N63-12452	06-33	BSD-TDR-62-330
N63-12453	06-29	ESD-TDR-63-189
N63-12454	06-23	HW-69945
N63-12455	06-15	HW-71521, REV
N63-12456	06-15	HW-75746
N63-12457	06-20	BAW-1260
N63-12458	06-07	MITS-49
N63-12459	06-23	PPAD-459-F
N63-12460	06-33	NO REPORT NUMBER
N63-12461	06-16	NO REPORT NUMBER
N63-12462	06-16	SAM-TDR-62-94
N63-12463	06-14	SAM-TDR-62-127
N63-12464	06-26	NO REPORT NUMBER
N63-12465	06-02	AEDC-TDR-63-19
N63-12466	06-16	AMRL-TDR-62-145
N63-12467	06-12	NO REPORT NUMBER
N63-12468	06-28	AFOSR-418
N63-12469	06-21	AFCRL-62-1073
N63-12470	06-21	AFCRL-62-1078
N63-12471	06-04	DTMB-R-1700
N63-12472	06-23	NBS-TN-129
N63-12473	06-07	USNRDL-TR-601
N63-12474	06-17	USNRDL-TR-602
N63-12475	06-15	USNDRL-TR-604
N63-12476	06-23	IS-520
N63-12477	06-18	IS-542
N63-12478	06-11	NASA-TN-D-1527
N63-12479	06-33	NASA-TN-D-1565
N63-12480	06-03	NASA-TN-D-1594
N63-12481	06-15	USNRDL-TR-591
N63-12482	06-16	NO REPORT NUMBER

N63-12483	06-02	NO REPORT NUMBER
N63-12484	06-33	NO REPORT NUMBER
N63-12485	06-11	NO REPORT NUMBER
N63-12486	06-26	NO REPORT NUMBER
N63-12487	06-07	NO REPORT NUMBER
N63-12488	06-22	NASA-TN-D-1344
N63-12489	06-02	NASA-TN-D-1335
N63-12490	06-18	USNRDL-TR-599
N63-12491	06-31	NO REPORT NUMBER
N63-12492	06-26	NO REPORT NUMBER
N63-12493	06-33	GEMP-19A
N63-12494	06-23	IDO-28595
N63-12495	06-08	NOTS-TP-3109, PT. 2
N63-12496	06-13	Y-1410
N63-12497	06-02	NASA-MEMO-10-15-58L
N63-12498	06-02	NASA-MEMO-10-25-58L
N63-12499	06-02	NASA-MEMO-10-2-58L
N63-12500	06-33	NASA-MEMO-10-17-58L
N63-12501	06-02	NASA-MEMO-10-28-58L
N63-12502	06-04	NASA-MEMO-6-8-59L
N63-12503	06-04	NACA-RM-A57J01
N63-12504	06-08	NACA-RM-A58E21
N63-12505	06-02	NACA-RM-A58F02
N63-12506	06-02	NACA-RM-E54H19
N63-12507	06-27	NACA-RM-E54J14
N63-12508	06-02	NACA-RM-E55G21A
N63-12509	06-26	NACA-RM-E55J17A
N63-12510	06-02	NACA-RM-E56D10
N63-12511	06-26	NACA-RM-E56J11
N63-12512	06-11	NACA-RM-E57D03
N63-12513	06-27	NACA-RM-E57D19
N63-12514	06-27	NACA-RM-E57G26A
N63-12515	06-27	NACA-RM-E58D01
N63-12516	06-02	NACA-RM-E58E20
N63-12517	06-27	NACA-RM-E58G10A
N63-12518	06-02	NACA-RM-H57J09
N63-12519	06-02	NACA-RM-L55H23
N63-12520	06-02	NACA-RM-L55J24
N63-12521	06-27	NACA-RM-L57F21
N63-12522	06-02	NACA-RM-E56I26
N63-12523	06-02	NACA-RM-E56H23
N63-12524	06-27	NACA-RM-E55H04A
N63-12525	06-02	NACA-RM-E54G28
N63-12526	06-11	NACA-RM-E54G15
N63-12527	06-11	NACA-RM-E57I13
N63-12528	06-27	NACA-RM-E55I14
N63-12529	06-27	NACA-RM-E56D16
N63-12530	06-27	NACA-RM-E54D08
N63-12531	06-27	NACA-RM-E54G08
N63-12532	06-06	NACA-RM-E56I18
N63-12533	06-02	NACA-RM-L56I13
N63-12534	06-02	NACA-RM-L57H13
N63-12535	06-26	NACA-RM-E55F22
N63-12536	06-27	NACA-RM-E53F05
N63-12537	06-02	NACA-RM-A50H10
N63-12538	06-27	NACA-RM-E51F14
N63-12539	06-22	NACA-RM-A52E27
N63-12540	06-27	NACA-RM-E55E04
N63-12541	06-26	NACA-RM-E55C28A
N63-12542	06-26	NACA-RM-E56G19
N63-12543	06-26	NACA-RM-E55G01
N63-12544	06-27	NACA-RM-E57H01
N63-12545	06-27	NACA-RM-E50H24
N63-12546	06-02	NACA-RM-E57G08
N63-12547	06-02	NACA-RM-E57E09
N63-12548	06-02	NASA-TM-X-16
N63-12549	06-02	NASA-TM-X-17
N63-12550	06-02	NASA-TM-X-42
N63-12551	06-02	NASA-TM-X-44
N63-12552	06-02	NASA-TM-X-47
N63-12553	06-02	NASA-TM-X-65
N63-12554	06-02	NASA-TM-X-83
N63-12555	06-02	NASA-TM-X-120
N63-12556	06-02	NASA-TM-X-124
N63-12557	06-02	NASA-TM-X-222
N63-12558	06-04	NASA-TM-X-294
N63-12559	06-02	NASA-TM-X-317
N63-12560	06-04	NASA-TM-X-344
N63-12561	06-02	NASA-TM-X-391
N63-12562	06-10	NASA-TM-X-394
N63-12563	06-04	NASA-TM-X-518
N63-12564	06-04	NASA-TM-X-639
N63-12565	06-23	LNF-62-60
N63-12566	06-23	LNF-62-61
N63-12567	06-23	LNF-62-63
N63-12568	06-15	LNF-62-66
N63-12569	06-23	LNF-62-67
N63-12570	06-23	LNF-62-68
N63-12571	06-25	LNF-62-70
N63-12572	06-09	LNF-62-73
N63-12573	06-23	LNF-62-75
N63-12574	06-23	LNF-62-85
N63-12575	06-23	LNF-62-87
N63-12576	06-23	LNF-62-89
N63-12577	06-29	NO REPORT NUMBER
N63-12578	06-18	NO REPORT NUMBER
N63-12579	06-23	NO REPORT NUMBER
N63-12580	06-21	NO REPORT NUMBER
N63-12581	06-29	NO REPORT NUMBER
N63-12582	06-33	C11-85
N63-12583	06-18	DMIC-181
N63-12584	06-07	NO REPORT NUMBER
N63-12585	06-07	NO REPORT NUMBER
N63-12586	06-21	NASA-TN-D-1387
N63-12587	06-21	NO REPORT NUMBER
N63-12588	06-21	NO REPORT NUMBER
N63-12589	06-21	NO REPORT NUMBER
N63-12590	06-33	NASA-TN-D-521
N63-12591	06-17	NASA-TN-D-1580
N63-12592	06-22	NASA-TN-D-1607
N63-12593	06-29	NASA-TN-D-1649
N63-12594	06-29	NASA-TN-D-1682
N63-12595	06-29	NASA-TN-D-1685
N63-12596	06-29	NASA-TR-R-129
N63-12597	06-13	NASA-TR-R-142
N63-12598	06-04	NO REPORT NUMBER
N63-12599	06-07	TIL/T-5314
N63-12600	06-07	TIL/T-5373
N63-12601	06-11	TIL/T-5379
N63-12602	06-23	AGN-TM-399
N63-12603	06-18	LA-2813
N63-12604	06-11	CM-1020
N63-12605	06-26	PA-TR-3019
N63-12606	06-09	AFCRL-63-11
N63-12607	06-02	SAD-102
N63-12608	06-09	EDC-1-62-10
N63-12609	06-09	EDC-1-62-12
N63-12610	06-23	NO REPORT NUMBER
N63-12611	06-08	ESL-SR-157
N63-12612		ACC. NO. NOT USED
N63-12613	06-25	LNF-62-84
N63-12614	06-12	NO REPORT NUMBER
N63-12615	06-18	NO REPORT NUMBER
N63-12616	06-18	NO REPORT NUMBER
N63-12617	06-07	NO REPORT NUMBER
N63-12618	06-24	NO REPORT NUMBER
N63-12619	06-24	NO REPORT NUMBER
N63-12620		ACC. NO. NOT USED
N63-12621		ACC. NO. NOT USED
N63-12622		ACC. NO. NOT USED
N63-12623		ACC. NO. NOT USED
N63-12624		ACC. NO. NOT USED
N63-12625		ACC. NO. NOT USED
N63-12626		ACC. NO. NOT USED
N63-12627		ACC. NO. NOT USED
N63-12628		ACC. NO. NOT USED
N63-12629		ACC. NO. NOT USED
N63-12630	06-21	MO-728
N63-12631	06-12	AFCRL-62-349
N63-12632	06-16	NO REPORT NUMBER
N63-12633	06-29	NSL-62-13
N63-12634	06-15	ONERA-91
N63-12635	06-08	IRIG-106-62
N63-12636	06-17	Y-1409
N63-12637	06-20	DTMB-1613
N63-12638	06-09	EE-74
N63-12639	06-32	NASA-TM-X-810
N63-12640	06-27	NASA-TN-D-1723
N63-12641	06-29	AFCRL-62-324
N63-12642	06-09	PIBMRI-1043-62
N63-12643	06-25	AFCRL-62-949
N63-12644	06-17	EUR-117.E
N63-12645	06-12	NBS-TN-162
N63-12646	06-04	NASA-TM-X-275
N63-12647	06-02	NACA-RM-L57D25B
N63-12648	06-02	NACA-RM-L57D25C
N63-12649	06-12	NO REPORT NUMBER
N63-12650	06-07	NO REPORT NUMBER
N63-12651	06-23	NO REPORT NUMBER
N63-12652	06-11	IAS PAPER 63-70
N63-12653	06-28	NO REPORT NUMBER
N63-12654		ACC. NO. NOT USED
N63-12655	06-09	NO REPORT NUMBER
N63-12656	06-34	ARC-R-72
N63-12657	06-07	ORNL-3397
N63-12658	06-12	NO REPORT NUMBER
N63-12659	06-12	NO REPORT NUMBER
N63-12660	06-16	NO REPORT NUMBER
N63-12661	06-34	NYO-9859
N63-12662	06-19	ONR-TR-RLT-56

N63-12663 06-23 ..... NO REPORT NUMBER
N63-12664 06-19 ..... NO REPORT NUMBER
N63-12665 06-04 ..... NO REPORT NUMBER
N63-12666 06-13 ..... NADC-MA-6215
N63-12667 06-19 ..... ROC/LIN-FINAL
N63-12668 06-18 ..... ARL-225
N63-12669 06-26 ..... NBS-R-213
N63-12670 06-25 ..... AFCRL-62-971
N63-12671 06-23 ..... SP-620-101-62U
N63-12672 06-09 ..... NO REPORT NUMBER
N63-12673 06-20 ..... NO REPORT NUMBER
N63-12674 06-27 ..... NO REPORT NUMBER
N63-12675 06-25 ..... NO REPORT NUMBER
N63-12676 06-09 ..... AFCRL-63-20/A/
N63-12677 06-09 ..... AFCRL-63-20/B/
N63-12678 06-09 ..... AFCRL-62-918
N63-12679 06-33 ..... BRL-1180
N63-12680 06-26 ..... NOTS-TP-3009
N63-12681 06-24 ..... R63SD4
N63-12682 06-24 ..... R63SD5
N63-12683 06-30 ..... ASRMCM-TM-62-11
N63-12684 06-09 ..... NO REPORT NUMBER
N63-12685 06-14 ..... AGARDOGRAPH-60
N63-12686 06-29 ..... NASA-TN-D-1555
N63-12687 06-26 ..... BMI-1608
N63-12688 06-17 ..... AID-S-63-19
N63-12689 06-21 ..... NSSP-12
N63-12690 06-26 ..... LAMS-2814
N63-12691 06-27 ..... NACA-RM-E58G17
N63-12692 06-11 ..... NO REPORT NUMBER
N63-12693 06-24 ..... NO REPORT NUMBER
N63-12694 06-09 ..... NO REPORT NUMBER
N63-12695 06-23 ..... NBS-TN-144
N63-12696 06-29 ..... NSL-62-57
N63-12697 06-09 ..... PIBMRI-1077-62
N63-12698 06-21 ..... NRL-5817
N63-12699 06-24 ..... RM-3429-NASA
N63-12700 06-15 ..... PIBMRI-1071-62
N63-12701 06-02 ..... NASA-TN-D-1648
N63-12702 06-12 ..... NASA-TN-D-1670
N63-12703 06-14 ..... NASA-TN-D-1591
N63-12704 06-09 ..... NASA-TN-D-1462
N63-12705 06-19 ..... NO REPORT NUMBER
N63-12706 06-19 ..... NBS-7234
N63-12707 06-07 ..... NO REPORT NUMBER
N63-12708 06-06 ..... ASD-TR-61-11, VOL. III
N63-12709 06-06 ..... ASD-TDR-62-668
N63-12710 06-19 ..... ASD-TDR-62-416
N63-12711 06-07 ..... AROD-2276-3
N63-12712 06-18 ..... NMI-9525
N63-12713 06-20 ..... DP-804
N63-12714 06-08 ..... TRG-TDR-1
N63-12715 06-01 ..... NASA-EP-5
N63-12716 06-16 ..... NADC-MA-6214
N63-12717 06-16 ..... NADC-MA-6218
N63-12718 06-06 ..... NYO-9792
N63-12719 06-18 ..... BM-RI-6170
N63-12720 06-03 ..... DTMB-AERO-1043
N63-12721 06-23 ..... TIL/T-5202
N63-12722 06-07 ..... TIL/T-5363
N63-12723 06-10 ..... AEDC-TDR-63-37
N63-12724 06-23 ..... HW-73902 REV
N63-12725 06-17 ..... HW-75499
N63-12726 06-23 ..... HW-75526
N63-12727 06-15 ..... ORNL-3378
N63-12728 06-29 ..... SM-42582
N63-12729 06-11 ..... FTD-TT-62-979/1&2&4
N63-12730 06-18 ..... NO REPORT NUMBER
N63-12731 06-07 ..... AFCRL-62-1116
N63-12732 06-12 ..... AFCRL-63-219
N63-12733 06-18 ..... NO REPORT NUMBER
N63-12734 06-24 ..... IER SER. 60, ISSUE 458
N63-12735 06-23 ..... IER SER. 60, ISSUE 459
N63-12736 06-20 ..... NOLTR-62-177
N63-12737 06-11 ..... WAPD-TM-342
N63-12738 06-16 ..... SAM-TDR-62-112
N63-12739 06-16 ..... AMRL-TDR-62-141
N63-12740 06-17 ..... ANL-6652
N63-12741 06-20 ..... AFCRL-62-1137
N63-12742 06-06 ..... NAA-SR-7288
N63-12743 06-23 ..... NUP-62-2
N63-12744 06-16 ..... SAM-TDR-62-144
N63-12745 06-20 ..... NO REPORT NUMBER
N63-12746 06-25 ..... IER SER. 60, ISSUE 439
N63-12747 06-29 ..... NO REPORT NUMBER
N63-12748 06-15 ..... NO REPORT NUMBER
N63-12749 06-11 ..... NO REPORT NUMBER
N63-12750 06-02 ..... AEDC-TDR-63-20
N63-12751 06-15 ..... ASD-TN-61-156
N63-12752 06-09 ..... FTD-TT-62-759/1&2&4
N63-12753 06-20 ..... FTD-TT-62-1148/1&2&
N63-12754 06-13 ..... FTD-TT-62-1459/1&2&
N63-12755 06-06 ..... NO REPORT NUMBER
N63-12756 06-07 ..... ONR-TR-RLT-5
N63-12757 06-11 ..... AROD-1830-
N63-12758 06-21 ..... NO REPORT NUMBER
N63-12759 06-12 ..... AFCRL-62-112
N63-12760 06-08 ..... CAL-UB-1309-P-1
N63-12761 06-15 ..... NO REPORT NUMBER
N63-12762 06-03 ..... NACA-RM-SL54A
N63-12763 06-03 ..... NACA-RM-SL54C
N63-12764 06-11 ..... TR-107
N63-12765 06-09 ..... NAA-SR-766
N63-12766 06-06 ..... AFCRL-62-95
N63-12767 06-11 ..... PSU-9-
N63-12768 06-18 ..... ARF-B224-
N63-12769 06-23 ..... BM-IC-814
N63-12770 06-12 ..... GCA-TR-62-18-
N63-12771 06-23 ..... NO REPORT NUMBER
N63-12772 ..... ACC. NO. NOT USED
N63-12773 ..... ACC. NO. NOT USED
N63-12774 06-33 ..... ARL-SM-279
N63-12775 06-02 ..... R-62-22
N63-12776 06-15 ..... R-367
N63-12777 06-05 ..... E-1172
N63-12778 06-19 ..... BM-RI-6171
N63-12779 06-19 ..... BM-RI-6174
N63-12780 06-18 ..... BM-RI-6175
N63-12781 06-19 ..... BM-RI-6177
N63-12782 06-16 ..... SAM-TDR-62-103
N63-12783 06-09 ..... AFCRL-62-957
N63-12784 06-17 ..... DW-433
N63-12785 06-29 ..... NO REPORT NUMBER
N63-12786 06-22 ..... NO REPORT NUMBER
N63-12787 06-19 ..... RADC-TDR-62-585
N63-12788 06-07 ..... USNRDL-TR-607
N63-12789 06-12 ..... AFCRL-62-1121
N63-12790 06-12 ..... AFCRL-62-1088
N63-12791 06-24 ..... MATT-159
N63-12792 06-24 ..... MATT-163
N63-12793 06-24 ..... MATT-164
N63-12794 06-09 ..... NO REPORT NUMBER
N63-12795 06-28 ..... RAD-TR-62-58
N63-12796 06-16 ..... NO REPORT NUMBER
N63-12797 06-11 ..... NO REPORT NUMBER
N63-12798 06-06 ..... LB-31183
N63-12799 06-07 ..... R62SD81
N63-12800 06-24 ..... R62SD990
N63-12801 06-18 ..... ARF-B765-25
N63-12802 06-07 ..... AROD-3156-1
N63-12803 06-24 ..... MATT-153
N63-12804 06-07 ..... TP-40
N63-12805 06-02 ..... TP-60
N63-12806 06-07 ..... NO REPORT NUMBER
N63-12807 06-33 ..... ARL-SM-103
N63-12808 06-09 ..... NO REPORT NUMBER
N63-12809 06-23 ..... NO REPORT NUMBER
N63-12810 06-01 ..... PMR-TM-61-12
N63-12811 06-01 ..... PMR-TM-61-19
N63-12812 06-23 ..... WIS-TCI-8, SER. 3
N63-12813 06-05 ..... NO REPORT NUMBER
N63-12814 06-20 ..... AFCRL-62-955
N63-12815 06-08 ..... NO REPORT NUMBER
N63-12816 06-05 ..... NAI-56-755
N63-12817 06-15 ..... FTD-TT-62-118/1&2&4
N63-12818 06-23 ..... FTD-TT-62-758/1&2&4
N63-12819 06-08 ..... FTD-TT-62-1193/1&2&4
N63-12820 06-13 ..... FTD-TT-62-1200/1&2&4
N63-12821 06-17 ..... FTD-TT-62-1357/1
N63-12822 06-11 ..... NO REPORT NUMBER
N63-12823 06-14 ..... NO REPORT NUMBER
N63-12824 06-16 ..... NO REPORT NUMBER
N63-12825 06-16 ..... NO REPORT NUMBER
N63-12826 06-06 ..... R62SD78
N63-12827 06-25 ..... NO REPORT NUMBER
N63-12828 06-12 ..... AFCRL-62-959
N63-12829 06-07 ..... NO REPORT NUMBER
N63-12830 06-08 ..... NDRE-T-231
N63-12831 06-09 ..... NO REPORT NUMBER
N63-12832 06-26 ..... C-1960
N63-12833 06-01 ..... SP-201
N63-12834 06-16 ..... NO REPORT NUMBER
N63-12835 06-16 ..... NO REPORT NUMBER
N63-12836 06-16 ..... NO REPORT NUMBER
N63-12837 06-16 ..... NO REPORT NUMBER
N63-12838 06-32 ..... NO REPORT NUMBER
N63-12839 06-08 ..... NO REPORT NUMBER
N63-12840 06-01 ..... NO REPORT NUMBER
N63-12841 06-29 ..... NO REPORT NUMBER
N63-12842 07-09 ..... MS-709

N63-12843	07-26	SSD-TDR-62-172
N63-12844	07-16	NAS-NRC/PUB-977
N63-12845	07-16	NO REPORT NUMBER
N63-12846	07-16	NO REPORT NUMBER
N63-12847	07-16	NO REPORT NUMBER
N63-12848	07-16	NO REPORT NUMBER
N63-12849	07-16	NO REPORT NUMBER
N63-12850	07-16	NO REPORT NUMBER
N63-12851	07-16	NO REPORT NUMBER
N63-12852	07-16	NO REPORT NUMBER
N63-12853	07-16	NO REPORT NUMBER
N63-12854	07-16	NO REPORT NUMBER
N63-12855	07-16	NO REPORT NUMBER
N63-12856	07-16	NO REPORT NUMBER
N63-12857	07-16	NO REPORT NUMBER
N63-12858	07-16	NO REPORT NUMBER
N63-12859	07-16	NO REPORT NUMBER
N63-12860	07-16	NO REPORT NUMBER
N63-12861	07-16	NO REPORT NUMBER
N63-12862	07-16	NO REPORT NUMBER
N63-12863	07-16	NO REPORT NUMBER
N63-12864	07-16	NO REPORT NUMBER
N63-12865	07-16	NO REPORT NUMBER
N63-12866	07-16	NO REPORT NUMBER
N63-12867	07-16	NO REPORT NUMBER
N63-12868	07-16	NO REPORT NUMBER
N63-12869	07-16	NO REPORT NUMBER
N63-12870	07-16	NO REPORT NUMBER
N63-12871	07-16	NO REPORT NUMBER
N63-12872	07-16	NO REPORT NUMBER
N63-12873	07-16	NO REPORT NUMBER
N63-12874	07-16	NO REPORT NUMBER
N63-12875	07-06	NO REPORT NUMBER
N63-12876	07-16	NO REPORT NUMBER
N63-12877	07-16	SAM-TDR-62-137
N63-12878	07-07	ARF-3227-1
N63-12879	07-05	IAS PAPER-63-1
N63-12880	07-28	IAS PAPER-63-2
N63-12881	07-28	IAS PAPER-63-3
N63-12882	07-07	IAS PAPER-63-4
N63-12883	07-04	IAS PAPER-63-5
N63-12884	07-14	IAS PAPER-63-15
N63-12885	07-14	IAS PAPER-63-18
N63-12886	07-27	IAS PAPER-63-19
N63-12887	07-33	IAS PAPER-63-22
N63-12888		ACC. NO. NOT USED
N63-12889	07-04	IAS PAPER-63-27
N63-12890	07-32	IAS PAPER-63-36
N63-12891	07-13	IAS PAPER-63-41
N63-12892	07-32	IAS PAPER-63-43
N63-12893	07-29	IAS PAPER-63-48
N63-12894	07-29	IAS-PAPER-63-50
N63-12895	07-03	NO REPORT NUMBER
N63-12896	07-27	IAS-PAPER-63-75
N63-12897	07-27	IAS-PAPER-63-76
N63-12898	07-13	IAS-PAPER-63-77
N63-12899	07-32	IAS-PAPER-63-79
N63-12900	07-29	IAS-PAPER-63-84
N63-12901	07-29	IAS PAPER-63-85
N63-12902	07-22	IAS-PAPER-63-86
N63-12903	07-17	NRL MEMO-221
N63-12904	07-18	TDR-930/2411/TN-1
N63-12905	07-12	NO REPORT NUMBER
N63-12906	07-20	NO REPORT NUMBER
N63-12907	07-27	NACA-RM-E56E14
N63-12908	07-27	NACA-TM-E57C29
N63-12909	07-27	NACA-RM-E58C19A
N63-12910	07-03	NACA-RM-L56E22
N63-12911	07-03	NACA-RM-L58E12
N63-12912	07-02	NASA-MEMO-1-8-59A
N63-12913	07-02	NASA-MEMO-1-2-59E
N63-12914	07-03	NASA-TM-X-182
N63-12915	07-03	NASA-TM-X-211
N63-12916	07-02	NASA-TM-X-272
N63-12917	07-04	NASA-TM-X-218
N63-12918	07-02	NASA-TM-X-288
N63-12919	07-13	E-1173
N63-12920	07-30	DCAS-TDR-62-190
N63-12921	07-23	JPL-TR-32-302
N63-12922	07-29	JPL-TR-32-374
N63-12923	07-19	NO REPORT NUMBER
N63-12924	07-01	BNL-742/AS-16/
N63-12925	07-23	BNL-767/C-36/
N63-12926	07-18	NASA-TN-D-1310
N63-12927	07-03	NASA-TN-D-1501
N63-12928	07-29	NASA-TN-D-1539
N63-12929	07-29	NASA-TN-D-1556
N63-12930	07-11	NASA-TN-D-1651
N63-12931	07-27	NASA-TN-D-1658
N63-12932	07-29	NASA-TN-D-1701
N63-12933	07-24	TCREC-TR-62-82
N63-12934	07-09	R-157
N63-12935	07-15	ANL-6636
N63-12936	07-10	NO REPORT NUMBER
N63-12937	07-15	DP-800
N63-12938	07-17	SM-42911
N63-12939	07-23	UCRL-10321
N63-12940	07-07	UCRL-10404
N63-12941	07-07	UCRL-10494
N63-12942	07-15	UCRL-10526
N63-12943	07-23	NCRL-10615
N63-12944	07-18	R-3350-3
N63-12945	07-09	AFCRL-62-965
N63-12946	07-16	UCLA 510
N63-12947	07-17	HW-67949-REV
N63-12948	07-06	NASA-TN-D-1545
N63-12949	07-24	NASA-TN-D-1551
N63-12950	07-02	NASA-TN-D-1612
N63-12951	07-15	NASA-TN-D-1724
N63-12952	07-33	NASA-TM-X-53
N63-12953	07-04	NASA-TM-X-71
N63-12954	07-09	RADC-TDR-63-17
N63-12955	07-07	TIL/T-5370
N63-12956	07-26	RK-TR-63-1
N63-12957	07-09	RG-TR-63-5
N63-12958	07-12	CR-49
N63-12959	07-12	NO REPORT NUMBER
N63-12960	07-23	NO REPORT NUMBER
N63-12961	07-24	A-2
N63-12962	07-23	A-8
N63-12963	07-24	A-9
N63-12964	07-24	A-10
N63-12965	07-24	A-12
N63-12966	07-15	NOLC-558
N63-12967	07-23	NO REPORT NUMBER
N63-12968	07-14	HUMRRO-TR-80
N63-12969	07-14	HUMRRO-TR-80, SUPPL.
N63-12970	07-09	NO REPORT NUMBER
N63-12971	07-21	NO REPORT NUMBER
N63-12972	07-13	NASA-TM-X-85
N63-12973	07-10	AEET/NP/5
N63-12974	07-04	NASA-TM-X-5
N63-12975	07-02	NASA-TM-X-24
N63-12976	07-02	NASA-TM-X-26
N63-12977	07-04	NASA-TM-X-36
N63-12978	07-03	NASA-TM-X-61
N63-12979	07-04	NASA-TM-X-72
N63-12980	07-02	NASA-TM-X-92
N63-12981	07-02	NASA-TM-X-115
N63-12982	07-03	NASA-TM-X-138
N63-12983	07-02	NASA-TM-X-179
N63-12984	07-02	NASA-TM-X-193
N63-12985	07-24	MF-33
N63-12986	07-09	AFCRL-62-923
N63-12987	07-11	ARAP-47
N63-12988	07-23	NO REPORT NUMBER
N63-12989	07-07	ORNL-3389
N63-12990	07-23	ORNL-3406
N63-12991	07-23	LA-2765
N63-12992	07-20	LAMS-2801
N63-12993	07-18	LA-2828
N63-12994	07-04	TCREC-TR-62-101
N63-12995	07-04	TCREC-TR-62-3A
N63-12996	07-04	TCREC-TR-62-3B
N63-12997	07-22	RG-TR-63-4
N63-12998	07-18	BMI-1609
N63-12999	07-19	BMI-1610
N63-13000	07-33	AAE-62-1
N63-13001	07-11	SM-42492
N63-13002	07-02	SM-42567
N63-13003	07-02	SM-42603
N63-13004	07-02	SM-42649
N63-13005	07-08	NRL-5847
N63-13006	07-16	AMRL-TDR-62-130
N63-13007	07-26	RTD-TDR-63-3
N63-13008	07-15	RADC-TDR-62-600
N63-13009	07-03	ASD-TDR-62-1023
N63-13010	07-21	NEL-1150
N63-13011	07-13	NADC-MA-6216
N63-13012	07-15	NEL-1151
N63-13013	07-13	NADC-MA-6217
N63-13014	07-12	NO REPORT NUMBER
N63-13015	07-01	HW-75914
N63-13016	07-20	NO REPORT NUMBER
N63-13017	07-16	NO REPORT NUMBER
N63-13018	07-33	NO REPORT NUMBER
N63-13019	07-11	GASL-TM-76
N63-13020	07-20	AFCRL-62-795
N63-13021	07-04	NO REPORT NUMBER
N63-13022	07-05	NO REPORT NUMBER

N63-13023	07-08	NO REPORT NUMBER
N63-13024	07-07	ANL-6596
N63-13025	07-26	ANL-6644
N63-13026	07-20	RFP-297
N63-13027	07-13	NAA-SR-7954
N63-13028	07-25	NO REPORT NUMBER
N63-13029	07-07	BM-RI-6178
N63-13030	07-32	R-415-NASA
N63-13031	07-08	NBS-TN-165
N63-13032	07-12	NO REPORT NUMBER
N63-13033	07-15	NO REPORT NUMBER
N63-13034	07-26	NAA-SR-7736
N63-13035	07-26	CM-1028
N63-13036	07-11	AEDC-TDR-63-21
N63-13037	07-07	RM-IC-8147
N63-13038	07-07	BM-RI-6182
N63-13039	07-20	RG-TR-63-8
N63-13040	07-30	RS-TR-62-6
N63-13041	07-26	WAPD-TM-332
N63-13042	07-05	NO REPORT NUMBER
N63-13043	07-08	NO REPORT NUMBER
N63-13044	07-15	NO REPORT NUMBER
N63-13045	07-28	NO REPORT NUMBER
N63-13046	07-23	UCRL-7087
N63-13047	07-24	UCRL-7115
N63-13048	07-15	BRL-1182
N63-13049	07-12	AFCRL-63-212
N63-13050	07-33	SUDAER-141
N63-13051	07-04	RAC-1012
N63-13052	07-18	AROD-2064-4
N63-13053	07-23	AROD-2588-3
N63-13054	07-18	Q-B1973-1
N63-13055	07-23	AROD-2510-10
N63-13056	07-23	IER REPR.-110-62
N63-13057	07-23	IER REPR.-7-63
N63-13058	07-23	DASA-1348
N63-13059	07-30	HSA-93
N63-13060	07-02	A-1771-16
N63-13061	07-11	JPL-TR-32-363
N63-13062	07-33	JPL-TR-32-372
N63-13063	07-33	ASD-TDR-62-973
N63-13064	07-01	NSF-62-49
N63-13065	07-18	ANL-6591
N63-13066	07-18	ANL-6631
N63-13067	07-23	ANL-6673
N63-13068	07-23	ANL-6683
N63-13069	07-33	NO REPORT NUMBER
N63-13070	07-24	NO REPORT NUMBER
N63-13071	07-26	DMIC-MEMO-163
N63-13072	07-08	NO REPORT NUMBER
N63-13073	07-16	UCRL-10589
N63-13074	07-09	ACORN-24
N63-13075	07-07	NO REPORT NUMBER
N63-13076	07-23	NO REPORT NUMBER
N63-13077	07-17	RAC-509
N63-13078	07-20	NEL-1152
N63-13079	07-16	USNRDL-TR-611
N63-13080	07-11	JPL-TR-32-351
N63-13081	07-26	NO REPORT NUMBER
N63-13082	07-26	NO REPORT NUMBER
N63-13083	07-14	NO REPORT NUMBER
N63-13084	07-14	NO REPORT NUMBER
N63-13085	07-11	NAVORD-4185
N63-13086	07-17	MTI-62TR40
N63-13087	07-11	E-118.12
N63-13088	07-15	AFCRL-62-1008
N63-13089	07-07	NO REPORT NUMBER
N63-13090	07-15	NO REPORT NUMBER
N63-13091	07-12	NO REPORT NUMBER
N63-13092	07-07	PWAC-378
N63-13093	07-17	NO REPORT NUMBER
N63-13094	07-23	NO REPORT NUMBER
N63-13095	07-20	NO REPORT NUMBER
N63-13096	07-28	NASA-TN-D-1472
N63-13097	07-08	NASA-TN-D-1542
N63-13098	07-10	NASA-TN-D-1598
N63-13099	07-22	NASA-TN-D-1604
N63-13100	07-03	NASA-TN-D-1650
N63-13101	07-09	NASA-TN-D-1677
N63-13102	07-28	NASA-TN-D-1679
N63-13103	07-28	NASA-TN-D-1696
N63-13104	07-32	NASA-TN-D-1719
N63-13105	07-02	NASA-TR-R-123
N63-13106	07-02	NASA-TR-R-133
N63-13107	07-04	NACA-RM-A57D11
N63-13108	07-02	NASA-TM-X-56
N63-13109	07-26	CAL-86-P
N63-13110	07-11	NO REPORT NUMBER
N63-13111	07-29	NO REPORT NUMBER
N63-13112	07-21	SAD-100
N63-13113	07-15	ASD-TDR-62-92
N63-13114	07-03	NACA-RM-A55J
N63-13115	07-12	AFOSR-4
N63-13116	07-11	GASL-TR-3
N63-13117	07-17	RIA-62-34
N63-13118	07-17	RIA-62-36
N63-13119	07-07	RIA-62-41
N63-13120	07-07	RIA-62-41
N63-13121	07-23	NO REPORT NUMB
N63-13122	07-25	NO REPORT NUMB
N63-13123	07-23	NO REPORT NUMB
N63-13124	07-25	NO REPORT NUMBE
N63-13125	07-15	NO REPORT NUMBE
N63-13126	07-24	NO REPORT NUMBE
N63-13127	07-24	NO REPORT NUMBE
N63-13128	07-18	WAL-TR-401/30
N63-13129	07-24	NO REPORT NUMBE
N63-13130	07-01	RAE-TRANS-101
N63-13131	07-07	NO REPORT NUMBE
N63-13132	07-07	NO REPORT NUMBE
N63-13133	07-07	NO REPORT NUMBE
N63-13134	07-23	NO REPORT NUMBE
N63-13135	07-23	WAL-TR-830.5/
N63-13136	07-07	JPL-TR-32-35
N63-13137	07-11	TRG-153-SR-
N63-13138	07-17	TR-371-9/
N63-13139	07-01	RAC-TP-7
N63-13140	07-23	AFOSR-266
N63-13141	07-18	NO REPORT NUMBE
N63-13142	07-16	AMRL-TDR-62-12
N63-13143	07-16	AMRL-TDR-62-12
N63-13144	07-23	AMRL-TDR-62-140/III
N63-13145	07-16	AMRL-TDR-62-14
N63-13146	07-01	MRL-TDR-62-
N63-13147	07-09	RADC-TDR-63-
N63-13148	07-23	BM-RI-618
N63-13149	07-23	BM-RI-619
N63-13150	07-09	AFCRL-62-97
N63-13151	07-29	NO REPORT NUMBE
N63-13152	07-29	NO REPORT NUMBE
N63-13153	07-09	AFCRL-62-72
N63-13154	07-08	RE-TR-63-
N63-13155	07-22	RG-TR-63-
N63-13156	07-07	LAMS-283
N63-13157	07-09	W-J-62-609R
N63-13158	07-31	SLV-1B-
N63-13159	07-09	PIBMRI-1078-62
N63-13160	07-11	CARDE-TM-726/6
N63-13161	07-08	NO REPORT NUMBE
N63-13162	07-08	NO REPORT NUMBE
N63-13163	07-31	NO REPORT NUMBE
N63-13164	07-08	MATRIX-62-11
N63-13165	07-20	AFOSR-244
N63-13166	07-18	BM-RI-618
N63-13167	07-28	NO REPORT NUMBE
N63-13168	07-29	NO REPORT NUMBE
N63-13169		ACC. NO. NOT USED
N63-13170	07-05	NO REPORT NUMBE
N63-13171	07-07	NO REPORT NUMBE
N63-13172	07-17	SA-TR20-2313
N63-13173	07-12	NO REPORT NUMBE
N63-13174	07-33	NO REPORT NUMBE
N63-13175	07-18	FTD-TT-62-430/1&2
N63-13176	07-12	NO REPORT NUMBE
N63-13177	07-23	ARL-63-8
N63-13178	07-16	AMRL-TDR-62-146
N63-13179	07-29	NO REPORT NUMBE
N63-13180	07-04	NASA-TN-D-1432
N63-13181	07-03	NASA-TN-D-1505
N63-13182	07-10	NASA-TN-D-1560
N63-13183	07-18	NASA-TN-D-1592
N63-13184	07-01	NASA-TN-D-1596
N63-13185	07-03	NASA-TN-D-1603
N63-13186	07-02	NASA-TN-D-1605
N63-13187	07-08	NASA-TN-D-1610
N63-13188	07-30	NASA-TN-D-1617
N63-13189	07-07	NASA-TN-D-1825
N63-13190	07-23	NO REPORT NUMBE
N63-13191	07-01	NO REPORT NUMBE
N63-13192	07-23	AMRL-TDR-62-140/II
N63-13193	07-27	NACA-RM-E53D29
N63-13194	07-29	NO REPORT NUMBE
N63-13195	07-23	LA-281
N63-13196	07-11	NO REPORT NUMBE
N63-13197	07-25	ARF-3190-6
N63-13198	07-18	ASD-TDR-62-756
N63-13199	07-23	IS-313
N63-13200	07-23	IDO-14601
N63-13201	07-23	GEAP-3743
N63-13202	07-09	NO REPORT NUMBE

N63-13203 07-02 ..... BRL-MEMO-1440
N63-13204 07-20 ..... RAW-TM-63-2
N63-13205 07-19 ..... ONR-TR-RLT-58
N63-13206 07-16 ..... USNRDL-TR-606
N63-13207 07-19 ..... NAA-SR-7654
N63-13208 07-23 ..... BMI-1613
N63-13209 07-18 ..... ASD-TDR-62-1087, PT. I
N63-13210 07-25 ..... AFCRL-62-944
N63-13211 07-23 ..... SSD-TDR-62-127, VOL. II
N63-13212 07-23 ..... AEC-TR-3352
N63-13213 07-01 ..... NO REPORT NUMBER
N63-13214 07-07 ..... NO REPORT NUMBER
N63-13215 07-05 ..... NO REPORT NUMBER
N63-13216 07-03 ..... NASA-MEMO-6-9-59A
N63-13217 07-23 ..... NASA-TN-D-1553
N63-13218 07-27 ..... NASA-TN-D-1575
N63-13219 07-06 ..... NASA-TN-D-1608
N63-13220 07-15 ..... NASA-TN-D-1715
N63-13221 07-03 ..... NO REPORT NUMBER
N63-13222 07-16 ..... NASA-TT-F-130
N63-13223 07-16 ..... NASA-TT-F-131
N63-13224 07-20 ..... AROD-223-59
N63-13225 07-23 ..... NBS-7641
N63-13226 07-07 ..... AFCRL-62-1051
N63-13227 07-20 ..... AFCRL-62-964
N63-13228 07-23 ..... NO REPORT NUMBER
N63-13229 07-20 ..... NO REPORT NUMBER
N63-13230 07-15 ..... RG-TR-62-5
N63-13231 07-23 ..... GA-3873
N63-13232 07-09 ..... RADC-TDR-62-497
N63-13233 07-01 ..... NO REPORT NUMBER
N63-13234 07-01 ..... NO REPORT NUMBER
N63-13235 07-33 ..... NO REPORT NUMBER
N63-13236 07-33 ..... NO REPORT NUMBER
N63-13237 07-33 ..... NO REPORT NUMBER
N63-13238 07-07 ..... NO REPORT NUMBER
N63-13239 07-15 ..... NO REPORT NUMBER
N63-13240 07-07 ..... NO REPORT NUMBER
N63-13241 07-07 ..... NO REPORT NUMBER
N63-13242 07-07 ..... NO REPORT NUMBER
N63-13243 07-07 ..... NO REPORT NUMBER
N63-13244 07-07 ..... NO REPORT NUMBER
N63-13245 07-18 ..... NO REPORT NUMBER
N63-13246 07-13 ..... NO REPORT NUMBER
N63-13247 07-18 ..... NO REPORT NUMBER
N63-13248 07-13 ..... IS-587
N63-13249 07-26 ..... RMD-5507-F
N63-13250 07-23 ..... ORNL-3365
N63-13251 07-04 ..... NASA-TT-F-87
N63-13252 07-04 ..... NO REPORT NUMBER
N63-13253 07-04 ..... NO REPORT NUMBER
N63-13254 07-08 ..... NO REPORT NUMBER
N63-13255 07-12 ..... NO REPORT NUMBER
N63-13256 07-34 ..... NO REPORT NUMBER
N63-13257 07-02 ..... NO REPORT NUMBER
N63-13258 07-09 ..... NO REPORT NUMBER
N63-13259 07-08 ..... NO REPORT NUMBER
N63-13260 07-01 ..... NO REPORT NUMBER
N63-13261 07-33 ..... NASA-TN-D-1616
N63-13262 07-20 ..... EDC-1-62-14
N63-13263 07-17 ..... NO REPORT NUMBER
N63-13264 07-12 ..... NO REPORT NUMBER
N63-13265 07-21 ..... AFCRL-62-889
N63-13266 07-01 ..... EUR-110.E
N63-13267 07-18 ..... EUR-132.F
N63-13268 07-16 ..... NO REPORT NUMBER
N63-13269 07-03 ..... SUDAER-138
N63-13270 07-20 ..... AROD-1323-24
N63-13271 07-28 ..... AFCRL-63-214
N63-13272 07-07 ..... ARF-3227-2
N63-13273 07-29 ..... NO REPORT NUMBER
N63-13274 07-18 ..... NO REPORT NUMBER
N63-13275 07-07 ..... JPL-TR-32-310
N63-13276 07-01 ..... K-1534
N63-13277 07-23 ..... AMRL-TDR-62-140/I/
N63-13278 07-25 ..... NO REPORT NUMBER
N63-13279 07-18 ..... NO REPORT NUMBER
N63-13280 07-21 ..... NO REPORT NUMBER
N63-13281 07-10 ..... NACA-RM-E53D20
N63-13282 07-23 ..... IDO-16830
N63-13283 07-20 ..... NASA-TN-D-1534
N63-13284 07-11 ..... NO REPORT NUMBER
N63-13285 07-12 ..... BRL-1163
N63-13286 07-12 ..... AFCRL-63-209
N63-13287 07-25 ..... AFCRL-62-910
N63-13288 07-17 ..... NO REPORT NUMBER
N63-13289 07-17 ..... NO REPORT NUMBER
N63-13290 07-15 ..... ARL/ME-251
N63-13291 07-33 ..... NO REPORT NUMBER
N63-13292 07-32 ..... NO REPORT NUMBER
N63-13293 07-33 ..... NO REPORT NUMBER
N63-13294 07-20 ..... NOLTR-62-193
N63-13295 07-28 ..... NO REPORT NUMBER
N63-13296 07-08 ..... AEDC-TDR-63-36
N63-13297 07-07 ..... NO REPORT NUMBER
N63-13298 07-33 ..... ASRL-TR-94-3
N63-13299 07-04 ..... NO REPORT NUMBER
N63-13300 07-18 ..... NOLTR-62-144
N63-13301 07-30 ..... NO REPORT NUMBER
N63-13302 07-02 ..... NO REPORT NUMBER
N63-13303 07-15 ..... NASA-TN-D-1571
N63-13304 07-12 ..... AFCRL-63-215
N63-13305 07-18 ..... AGN-TM-401
N63-13306 07-23 ..... IDO-28600
N63-13307 07-07 ..... ORNL-3396
N63-13308 07-20 ..... NO REPORT NUMBER
N63-13309 07-01 ..... BMI-1603/DEL./
N63-13310 07-20 ..... ANL-6653
N63-13311 07-18 ..... BM-RI-6195
N63-13312 07-23 ..... BM-RI-6197
N63-13313 07-23 ..... BM-RI-6198
N63-13314 07-01 ..... NO REPORT NUMBER
N63-13315 07-16 ..... NO REPORT NUMBER
N63-13316 07-07 ..... NO REPORT NUMBER
N63-13317 07-28 ..... NO REPORT NUMBER
N63-13318 07-07 ..... TIL/T-5107
N63-13319 07-23 ..... NO REPORT NUMBER
N63-13320 07-23 ..... NYO-10251
N63-13321 07-23 ..... NYO-10252
N63-13322 07-23 ..... NYO-10253
N63-13323 07-23 ..... NYO-10255
N63-13324 07-23 ..... NYO-10256
N63-13325 07-16 ..... CARI-62-21
N63-13326 08-07 ..... A62-13
N63-13327 08-07 ..... A62-15
N63-13328 08-07 ..... A62-16
N63-13329 08-12 ..... AFCRL-63-208
N63-13330 08-20 ..... MRC-356
N63-13331 08-20 ..... MRC-357
N63-13332 08-20 ..... MRC-364
N63-13333 08-20 ..... MRC-368
N63-13334 08-20 ..... MRC-370
N63-13335 08-20 ..... MRC-372
N63-13336 08-20 ..... MRC-375
N63-13337 08-20 ..... MRC-377
N63-13338 08-18 ..... NRL-5880
N63-13339 08-11 ..... TDR-169/3230-12/TN-5
N63-13340 08-08 ..... NO REPORT NUMBER
N63-13341 08-07 ..... NRL-5816
N63-13342 08-16 ..... SAM-TDR-62-89
N63-13343 08-20 ..... AROD-2934-3
N63-13344 08-20 ..... AROD-2934-7
N63-13345 08-20 ..... AROD-2934-8
N63-13346 08-25 ..... NO REPORT NUMBER
N63-13347 08-25 ..... NO REPORT NUMBER
N63-13348 08-25 ..... NO REPORT NUMBER
N63-13349 08-25 ..... NO REPORT NUMBER
N63-13350 08-12 ..... NO REPORT NUMBER
N63-13351 08-11 ..... ARC R&M-3282
N63-13352 08-29 ..... NO REPORT NUMBER
N63-13353 08-29 ..... NO REPORT NUMBER
N63-13354 08-23 ..... AMP-94
N63-13355 08-01 ..... NO REPORT NUMBER
N63-13356 08-01 ..... NO REPORT NUMBER
N63-13357 08-01 ..... NO REPORT NUMBER
N63-13358 08-01 ..... NO REPORT NUMBER
N63-13359 08-01 ..... NO REPORT NUMBER
N63-13360 08-01 ..... NO REPORT NUMBER
N63-13361 08-20 ..... NO REPORT NUMBER
N63-13362 08-20 ..... NO REPORT NUMBER
N63-13363 08-08 ..... NO REPORT NUMBER
N63-13364 08-08 ..... NO REPORT NUMBER
N63-13365 08-08 ..... NO REPORT NUMBER
N63-13366 08-08 ..... NO REPORT NUMBER
N63-13367 08-04 ..... NO REPORT NUMBER
N63-13368 08-22 ..... NO REPORT NUMBER
N63-13369 08-15 ..... NO REPORT NUMBER
N63-13370 08-34 ..... NO REPORT NUMBER
N63-13371 08-11 ..... NO REPORT NUMBER
N63-13372 08-17 ..... LAMS-2800
N63-13373 08-01 ..... BMI-1607/DEL./
N63-13374 08-07 ..... AROD-2276-4
N63-13375 08-07 ..... AROD-2786-2
N63-13376 08-11 ..... DTMB-1676
N63-13377 08-08 ..... NEL-1155
N63-13378 08-23 ..... TID-16273
N63-13379 08-08 ..... NEL-1148
N63-13380 08-11 ..... NO REPORT NUMBER
N63-13381 08-11 ..... NO REPORT NUMBER
N63-13382 08-11 ..... NO REPORT NUMBER

N63-13383 08-27 ..... NO REPORT NUMBER
N63-13384 08-11 ..... NO REPORT NUMBER
N63-13385 08-11 ..... NO REPORT NUMBER
N63-13386 08-11 ..... NO REPORT NUMBER
N63-13387 08-11 ..... NO REPORT NUMBER
N63-13388 08-11 ..... NO REPORT NUMBER
N63-13389 08-11 ..... NO REPORT NUMBER
N63-13390 08-11 ..... NO REPORT NUMBER
N63-13391 08-11 ..... NO REPORT NUMBER
N63-13392 08-11 ..... NO REPORT NUMBER
N63-13393 08-11 ..... NO REPORT NUMBER
N63-13394 08-15 ..... NO REPORT NUMBER
N63-13395 08-11 ..... NO REPORT NUMBER
N63-13396 08-11 ..... NO REPORT NUMBER
N63-13397 08-11 ..... NO REPORT NUMBER
N63-13398 08-11 ..... NO REPORT NUMBER
N63-13399 08-11 ..... NO REPORT NUMBER
N63-13400 08-11 ..... NO REPORT NUMBER
N63-13401 08-11 ..... NO REPORT NUMBER
N63-13402 08-11 ..... NO REPORT NUMBER
N63-13403 08-11 ..... NO REPORT NUMBER
N63-13404 08-11 ..... NO REPORT NUMBER
N63-13405 08-20 ..... NO REPORT NUMBER
N63-13406 08-20 ..... NO REPORT NUMBER
N63-13407 08-11 ..... NO REPORT NUMBER
N63-13408 08-11 ..... NO REPORT NUMBER
N63-13409 08-11 ..... NO REPORT NUMBER
N63-13410 08-17 ..... SPS-797
N63-13411 08-04 ..... RG-TR-62-6
N63-13412 08-04 ..... RS-TR-62-9
N63-13413 08-15 ..... RG-TR-63-1
N63-13414 08-17 ..... LAMS-2797
N63-13415 08-17 ..... LAMS-2798
N63-13416 08-17 ..... LAMS-2799
N63-13417 08-10 ..... ORA-63-1
N63-13418 08-13 ..... ORA-63-2
N63-13419 08-18 ..... MLM-1147-TR
N63-13420 08-14 ..... AMRL-TDR-62-104
N63-13421 08-16 ..... AMRL-TDR-62-121
N63-13422 08-25 ..... AF-99
N63-13423 08-08 ..... AF-100
N63-13424 08-15 ..... AEDC-TDR-63-29
N63-13425 08-13 ..... AEDC-TDR-63-43
N63-13426 08-08 ..... NO REPORT NUMBER
N63-13427 08-23 ..... AFCRL-63-7
N63-13428 08-15 ..... GEMP-177C
N63-13429 08-25 ..... NO REPORT NUMBER
N63-13430 08-33 ..... PIBAL-658
N63-13431 08-33 ..... ASME PAPER-62-WA-28
N63-13432 08-23 ..... AROD-2543-8
N63-13433 08-20 ..... ARL-62-458
N63-13434 08-20 ..... ARL-62-478
N63-13435 08-07 ..... AROD-2757-1
N63-13436 08-29 ..... RAL-TM-63-2
N63-13437 08-33 ..... AROD-2891-5
N63-13438 08-11 ..... AROD-3005-4
N63-13439 08-10 ..... JPL-SPS-37-19, VOL. III
N63-13440 08-16 ..... JPL-TR-32-325
N63-13441 08-13 ..... JPL-TR-32-340
N63-13442 08-19 ..... JPL-TR-32-360
N63-13443 08-05 ..... JPL-TR-32-361
N63-13444 08-07 ..... JPL-TR-32-362
N63-13445 08-33 ..... JPL-TR-32-365
N63-13446 08-23 ..... JPL-TR-32-373
N63-13447 08-02 ..... JPL-TR-32-378
N63-13448 08-29 ..... JPL-TR-32-379
N63-13449 08-29 ..... JPL-TR-32-384
N63-13450 08-20 ..... JPL-TR-32-390
N63-13451 08-14 ..... JPL-TR-32-391
N63-13452 08-02 ..... GASL-TR-256 I
N63-13453 08-02 ..... GASL-TR-256 II
N63-13454 08-07 ..... GASL-TR-282
N63-13455 08-07 ..... GASL-TR-292
N63-13456 08-10 ..... AEDC-TDR-62-231
N63-13457 08-17 ..... NO REPORT NUMBER
N63-13458 08-23 ..... ORNL-3392
N63-13459 08-15 ..... BM-RI-6181
N63-13460 08-15 ..... MIT-TR-176
N63-13461 08-07 ..... EXP-223/1
N63-13462 08-26 ..... EXP-223/2
N63-13463 08-07 ..... NO REPORT NUMBER
N63-13464 08-13 ..... R61SD145
N63-13465 08-11 ..... R62SD989
N63-13466 08-20 ..... NO REPORT NUMBER
N63-13467 08-25 ..... NO REPORT NUMBER
N63-13468 08-25 ..... NO REPORT NUMBER
N63-13469 08-24 ..... NO REPORT NUMBER
N63-13470 08-21 ..... AINA RES. PAPER-24
N63-13471 08-07 ..... JPL-TR-32-129
N63-13472 08-18 ..... NO REPORT NUMBER
N63-13473 08-33 ..... SUDAER-14
N63-13474 08-13 ..... SUDAER-1
N63-13475 08-32 ..... SAO SPECIAL REPT.-
N63-13476 08-07 ..... GASL-TR-1
N63-13477 08-02 ..... GASL-TR-2
N63-13478 08-11 ..... GASL-TR-2
N63-13479 08-11 ..... GASL-TR-2
N63-13480 08-08 ..... NO REPORT NUMBE
N63-13481 08-04 ..... NO REPORT NUMBE
N63-13482 08-12 ..... NO REPORT NUMBE
N63-13483 08-11 ..... GASL-TR-1
N63-13484 08-08 ..... JPL-TR-32-2
N63-13485 08-01 ..... JPL-SPS-37-18, VOL. I
N63-13486 08-29 ..... JPL-TM-33-
N63-13487 08-17 ..... AROD-2458-4
N63-13488 08-24 ..... MATT-1
N63-13489 08-24 ..... MATT-1
N63-13490 08-33 ..... ASD-TDR-62-10
N63-13491 08-34 ..... ASD-TDR-62-10
N63-13492 08-34 ..... NRL-58
N63-13493 08-11 ..... BRL-117
N63-13494 08-03 ..... AASU-22
N63-13495 08-33 ..... AASU-23
N63-13496 08-33 ..... GEAP-398
N63-13497 08-26 ..... GEAP-405
N63-13498 08-18 ..... GEAP-406
N63-13499 08-18 ..... GEAP-409
N63-13500 08-13 ..... TID-357
N63-13501 08-07 ..... TID-1750
N63-13502 08-11 ..... SC-4752/RR
N63-13503 08-33 ..... DMIC-MEMO-16
N63-13504 08-24 ..... MATT-15
N63-13505 08-33 ..... ASD-TDR-62-61
N63-13506 08-04 ..... TCREC-TR-62-2
N63-13507 08-25 ..... TCREC-TR-62-11
N63-13508 08-02 ..... AGARDOGRAPH-6
N63-13509 08-02 ..... NO REPORT NUMBE
N63-13510 08-02 ..... NO REPORT NUMBE
N63-13511 08-02 ..... NO REPORT NUMBE
N63-13512 08-02 ..... NO REPORT NUMBE
N63-13513 08-02 ..... NO REPORT NUMBE
N63-13514 08-02 ..... NO REPORT NUMBE
N63-13515 08-29 ..... NASA-TN-D-152
N63-13516 08-03 ..... NASA-TN-D-163
N63-13517 08-23 ..... NO REPORT NUMBE
N63-13518 08-20 ..... ASD-TDR-62-47
N63-13519 08-34 ..... NSL-62-132-
N63-13520 08-13 ..... NO REPORT NUMBE
N63-13521 08-11 ..... USCEC-65-3
N63-13522 08-33 ..... AFSWC-TDR-62-13
N63-13523 08-26 ..... AFCRL-63-24
N63-13524 08-12 ..... NO REPORT NUMBE
N63-13525 08-20 ..... IMM-NYU-30
N63-13526 08-19 ..... ONERA-TN-70-196
N63-13527 08-11 ..... ONERA-107/1962
N63-13528 08-11 ..... ONERA-109/1962
N63-13529 08-17 ..... Q-81973-
N63-13530 08-20 ..... NO REPORT NUMBE
N63-13531 08-29 ..... NO REPORT NUMBE
N63-13532 08-07 ..... NO REPORT NUMBE
N63-13533 08-23 ..... NO REPORT NUMBE
N63-13534 08-23 ..... NO REPORT NUMBE
N63-13535 08-18 ..... NO REPORT NUMBE
N63-13536 08-23 ..... BM-RI-620
N63-13537 08-32 ..... NASA FACTS-A-1-6
N63-13538 08-16 ..... SAM-TDR-62-11
N63-13539 08-17 ..... NASA-TT-F-14
N63-13540 08-33 ..... AROD-2028-14
N63-13541 08-03 ..... ARC-CP-60
N63-13542 08-01 ..... NO REPORT NUMBE
N63-13543 08-33 ..... ASD-TDR-62-39
N63-13544 08-20 ..... ASD-TDR-62-36
N63-13545 08-18 ..... ER-477
N63-13546 08-21 ..... NO REPORT NUMBE
N63-13547 08-25 ..... AFOSR-95
N63-13548 08-31 ..... NASA-TN-D-161
N63-13549 08-15 ..... NO REPORT NUMBE
N63-13550 08-11 ..... GASL-TR-33
N63-13551 08-23 ..... BNL-746/T-272
N63-13552 08-20 ..... BNL-757/T-280
N63-13553 08-19 ..... BNL-758/T-281
N63-13554 08-16 ..... AID-S-63-2
N63-13555 08-34 ..... RAC-97
N63-13556 08-18 ..... RAC-103
N63-13557 08-24 ..... RAC-105
N63-13558 08-06 ..... RAC-104
N63-13559 08-24 ..... R63SD1
N63-13560 08-21 ..... AFCRL-63-22
N63-13561 08-23 ..... NYO-965
N63-13562 08-02 ..... NASA-TN-D-160

N63-13563	08-23	UCRL-10347
N63-13564	08-13	UCRL-10527
N63-13565	08-23	UCRL-10562
N63-13566	08-26	E13-63
N63-13567	08-10	NAMC-ASL-1042
N63-13568		ACC. NO. NOT USED
N63-13569		ACC. NO. NOT USED
N63-13570		ACC. NO. NOT USED
N63-13571	08-04	NO REPORT NUMBER
N63-13572	08-27	NO REPORT NUMBER
N63-13573	08-16	USNRDL-TR-608
N63-13574	08-18	BMI-1616
N63-13575	08-15	UCRL-7036, PT. 6
N63-13576	08-07	ANL-6663
N63-13577	08-28	SC-4759/RR/
N63-13578	08-15	NO REPORT NUMBER
N63-13579	08-27	NO REPORT NUMBER
N63-13580	08-07	FTD-TT-62-1261/1&4
N63-13581	08-07	FTD-TT-62-1604/1&2&4
N63-13582	08-01	JPL-SPS-37-19, VOL. IV
N63-13583	08-18	FTD-TT-62-1273/1&2&4
N63-13584	08-09	FTD-TT-62-1436/1&2&4
N63-13585	08-07	FTD-TT-62-1529/1&2&4
N63-13586	08-21	FTD-TT-62-1679/1&2
N63-13587	08-32	NO REPORT NUMBER
N63-13588	08-16	SAM-TDR-62-132
N63-13589	08-20	SAM-TDR-62-149
N63-13590	08-08	NO REPORT NUMBER
N63-13591	08-08	NO REPORT NUMBER
N63-13592	08-23	NO REPORT NUMBER
N63-13593	08-15	NO REPORT NUMBER
N63-13594	08-23	NO REPORT NUMBER
N63-13595	08-26	JPL-TR-32-183
N63-13596	08-29	JPL-TR-32-395
N63-13597	08-29	JPL-TR-32-398
N63-13598	08-29	JPL-TR-32-399
N63-13599	08-23	NO REPORT NUMBER
N63-13600	08-12	NO REPORT NUMBER
N63-13601	08-07	NO REPORT NUMBER
N63-13602	08-23	A-920057-3
N63-13603	08-15	ESL-TM-162
N63-13604	08-15	ESL-R-153
N63-13605	08-26	NO REPORT NUMBER
N63-13606	08-26	ANL-6661
N63-13607	08-01	NO REPORT NUMBER
N63-13608	08-23	NO REPORT NUMBER
N63-13609	08-15	NO REPORT NUMBER
N63-13610	08-20	AFCRL-63-39
N63-13611	08-10	NAVWEPS-8068
N63-13612	08-26	UCRL-6695
N63-13613	08-23	UCRL-7143
N63-13614	08-23	UCRL-7168
N63-13615	08-18	FTD-TT-62-1272/1&2&4
N63-13616	08-18	NO REPORT NUMBER
N63-13617	08-18	NO REPORT NUMBER
N63-13618	08-18	NO REPORT NUMBER
N63-13619	08-23	FTD-TT-62-1474/1&2&4
N63-13620	08-23	NO REPORT NUMBER
N63-13621	08-23	NO REPORT NUMBER
N63-13622	08-23	NO REPORT NUMBER
N63-13623	08-08	JPL-TR-32-284
N63-13624	08-11	TR-1087
N63-13625	08-15	NOLC-578
N63-13626	08-20	RF-TR-62-12
N63-13627	08-10	IDO-28602
N63-13628	08-09	IDO-16823
N63-13629	08-13	NAVWEPS-8022
N63-13630	08-23	NO REPORT NUMBER
N63-13631	08-23	NO REPORT NUMBER
N63-13632	08-23	AFCRL-62-945
N63-13633	08-20	MRC-325
N63-13634	08-23	NBS-MONOGRAPH-50
N63-13635	08-01	NO REPORT NUMBER
N63-13636	08-13	ASD-TDR-62-24
N63-13637	08-31	ER-12298
N63-13638	08-20	NO REPORT NUMBER
N63-13639	08-07	NO REPORT NUMBER
N63-13640	08-15	BEC-4674
N63-13641	08-08	AFCRL-62-969
N63-13642	08-23	US-31
N63-13643	08-24	US-32
N63-13644	08-16	SAM-TDR-62-142
N63-13645	08-23	PIBMRI-108-62
N63-13646	08-07	NO REPORT NUMBER
N63-13647	08-07	NO REPORT NUMBER
N63-13648	08-07	NO REPORT NUMBER
N63-13649	08-07	NO REPORT NUMBER
N63-13650	08-07	NO REPORT NUMBER
N63-13651	08-32	NO REPORT NUMBER
N63-13652	08-23	ANL-6666
N63-13653	08-07	IDO-16839
N63-13654	08-34	W-G-RD-62-156
N63-13655	08-17	RD-63-105
N63-13656	08-17	AEDC-TDR-63-28
N63-13657	08-11	AEDC-TDR-63-31
N63-13658	08-11	AEDC-TDR-63-35
N63-13659	08-20	ACR-63
N63-13660	08-04	AGARD-408
N63-13661	08-33	AROD-1325-16
N63-13662	08-28	AFCRL-63-242
N63-13663	08-23	NO REPORT NUMBER
N63-13664	08-23	ASD-TR-61-630
N63-13665	08-19	ASD-TR-61-446
N63-13666	08-07	TIL/T-5390
N63-13667	08-23	AFCRL-63-231
N63-13668	08-24	LA-2802
N63-13669	08-33	SM-42883
N63-13670	08-26	NO REPORT NUMBER
N63-13671	08-28	STL-9990-6382-RU-000
N63-13672	08-23	AMP-92
N63-13673		ACC. NO. NOT USED
N63-13674		ACC. NO. NOT USED
N63-13675	08-20	NO REPORT NUMBER
N63-13676	08-16	NAVWEPS-8060
N63-13677	08-17	NO REPORT NUMBER
N63-13678	08-17	NO REPORT NUMBER
N63-13679	08-23	NO REPORT NUMBER
N63-13680	08-11	NO REPORT NUMBER
N63-13681	08-05	NO REPORT NUMBER
N63-13682	08-25	AFCRL-63-226
N63-13683	08-23	AFCRL-63-227
N63-13684	08-23	AFCRL-63-233
N63-13685	08-21	AFCRL-63-237
N63-13686	08-12	AFCRL-63-261
N63-13687	08-23	AFCRL-62-1053
N63-13688	08-12	AFCRL-62-1054
N63-13689	08-20	AFCRL-62-1107
N63-13690	08-07	RAE-TRANS-1021
N63-13691	08-01	NO REPORT NUMBER
N63-13692	08-04	NLL-TN-V.1875
N63-13693	08-01	TID-11295 /2ND ED./
N63-13694	08-08	AFCRL-63-44
N63-13695	08-25	SB-62-62
N63-13696	08-01	NO REPORT NUMBER
N63-13697	08-08	NO REPORT NUMBER
N63-13698	08-09	NO REPORT NUMBER
N63-13699	08-08	NO REPORT NUMBER
N63-13700	08-25	AFCRL-62-929
N63-13701	08-33	GASL-TR-284
N63-13702	08-03	RAE-TRANS-1020
N63-13703	08-04	DTMB-AERO-1047
N63-13704	08-15	JPL-AI/LS-205
N63-13705	08-09	RADC-TDR-62-547
N63-13706	08-07	ASD-TR-7-840A/VII/
N63-13707	08-03	TD MEMO-6208
N63-13708	08-17	NO REPORT NUMBER
N63-13709	08-08	NO REPORT NUMBER
N63-13710	08-12	AFCRL-62-1077
N63-13711	08-12	AFCRL-63-239
N63-13712	08-10	NO REPORT NUMBER
N63-13713	08-29	NASA-TN-D-1540
N63-13714	08-29	NASA-TN-D-1541
N63-13715	08-28	NASA-TN-D-1547
N63-13716	08-02	NASA-TN-D-1601
N63-13717	08-33	NASA-TN-D-1615
N63-13718	08-02	NASA-TN-D-1620
N63-13719	08-12	NASA-TN-D-1686
N63-13720	08-12	NASA-TN-D-1694
N63-13721	08-04	NASA-TN-D-1699
N63-13722	08-28	NASA-TN-D-1717
N63-13723	08-29	NASA-TR-R-148
N63-13724	08-03	RAE-TRANS-1013
N63-13725	08-21	RAE-TRANS-1018
N63-13726	08-09	AFCRL-63-216
N63-13727	08-15	NO REPORT NUMBER
N63-13728	08-08	NO REPORT NUMBER
N63-13729		ACC. NO. NOT USED
N63-13730	08-23	NO REPORT NUMBER
N63-13731	08-27	NO REPORT NUMBER
N63-13732	08-33	NO REPORT NUMBER
N63-13733	08-33	NO REPORT NUMBER
N63-13734	08-18	GEAP-3979
N63-13735	08-23	GEAP-4017
N63-13736	08-01	GEAP-4080
N63-13737	08-01	ONR-RM-53
N63-13738	08-32	AAS-62-81
N63-13739	08-07	TIL/T-5368
N63-13740	08-29	AFCRL-62-721
N63-13741	08-30	NO REPORT NUMBER
N63-13742	08-06	TID-3561 /REV. 3/

N63-13743 08-22 ..... NO REPORT NUMBER
N63-13744 08-01 ..... NASA-AL-B-2-63
N63-13745 08-33 ..... RAC-1147
N63-13746 08-12 ..... RAC-1155
N63-13747 08-12 ..... RAC-1163
N63-13748 08-12 ..... RAC-1168
N63-13749 08-16 ..... SAM-TDR-62-85
N63-13750 08-17 ..... MTI-63TR3
N63-13751 08-33 ..... MTI-62TR37
N63-13752 08-33 ..... MTI-62TR38
N63-13753 08-29 ..... NO REPORT NUMBER
N63-13754 08-25 ..... NO REPORT NUMBER
N63-13755 08-07 ..... ASD-TDR-62-427
N63-13756 08-03 ..... NASA-TN-D-1602
N63-13757 08-27 ..... AGN-AN-759
N63-13758 08-01 ..... NO REPORT NUMBER
N63-13759 08-27 ..... NAVWEPS-7900
N63-13760 08-12 ..... NO REPORT NUMBER
N63-13761 08-07 ..... NO REPORT NUMBER
N63-13762 08-07 ..... EUR-118.F
N63-13763 08-07 ..... EUR-141.F
N63-13764 08-23 ..... EUR-149.F
N63-13765 08-20 ..... CETIS-15
N63-13766 08-20 ..... EUR-192.D,E
N63-13767 08-29 ..... JPL-TR-32-368
N63-13768 08-26 ..... JPL-TR-32-389
N63-13769 08-23 ..... NO REPORT NUMBER
N63-13770 08-20 ..... NO REPORT NUMBER
N63-13771 08-20 ..... PIBMRI-1081-62
N63-13772 08-23 ..... AFCRL-62-790
N63-13773 08-18 ..... ASD-TDR-62-765
N63-13774 08-10 ..... ANL-6489
N63-13775 08-29 ..... NO REPORT NUMBER
N63-13776 08-29 ..... NO REPORT NUMBER
N63-13777 08-28 ..... NO REPORT NUMBER
N63-13778 08-28 ..... NO REPORT NUMBER
N63-13779 08-28 ..... NO REPORT NUMBER
N63-13780 08-28 ..... NO REPORT NUMBER
N63-13781 08-28 ..... NO REPORT NUMBER
N63-13782 08-28 ..... NO REPORT NUMBER
N63-13783 08-12 ..... NO REPORT NUMBER
N63-13784 08-28 ..... NO REPORT NUMBER
N63-13785 08-06 ..... GA-2670
N63-13786 09-20 ..... ARC-R&M-3302
N63-13787 09-11 ..... ARC-R&M-3292
N63-13788 09-02 ..... NASA-TN-D-1518
N63-13789 09-33 ..... NASA-TN-D-1609
N63-13790 09-14 ..... NASA-TN-D-1613
N63-13791 09-02 ..... NASA-TN-D-1614
N63-13792 09-11 ..... NASA-TN-D-1629
N63-13793 09-20 ..... NASA-TN-D-1660
N63-13794 09-05 ..... NASA-TN-D-1671
N63-13795 09-15 ..... NASA-TN-D-1693
N63-13796 09-23 ..... AEDC-TDR-63-49
N63-13797 09-08 ..... RAL-TM-63-4
N63-13798 09-04 ..... TCREC-TR-62-99
N63-13799 09-34 ..... TRECOM-TR-63-15
N63-13800 09-11 ..... NO REPORT NUMBER
N63-13801 09-15 ..... AFCRL-62-1105
N63-13802 09-02 ..... ARC-R&M-3279
N63-13803 09-11 ..... ARC-R&M-3291
N63-13804 09-15 ..... ARC-CP-628
N63-13805 09-20 ..... CETIS-56
N63-13806 09-16 ..... EUR-147.F
N63-13807 09-08 ..... EUR-184.I
N63-13808 09-18 ..... EUR-208.F
N63-13809 09-23 ..... EUR-209.D
N63-13810 09-09 ..... MRL-TDR-62-3
N63-13811 09-01 ..... MRL-TDR-62-9
N63-13812 09-23 ..... MRL-TDR-62-11
N63-13813 09-11 ..... DM-63-1
N63-13814 09-20 ..... R-160
N63-13815 09-23 ..... W-J-63-606R12
N63-13816 09-20 ..... AFCRL-63-6
N63-13817 09-24 ..... RADC-TDR-63-18
N63-13818 09-21 ..... AFCRL-63-22
N63-13819 09-17 ..... JPRS-13459
N63-13820 09-23 ..... JPRS-13043
N63-13821 09-12 ..... NASA-TN-D-1674
N63-13822 09-18 ..... JPRS-13978
N63-13823 09-28 ..... NO REPORT NUMBER
N63-13824 09-24 ..... NO REPORT NUMBER
N63-13825 09-16 ..... NO REPORT NUMBER
N63-13826 09-30 ..... JPRS-12784
N63-13827 09-23 ..... JPRS-13770
N63-13828 09-19 ..... C-64694
N63-13829 09-33 ..... DAC-30932
N63-13830 09-23 ..... NO REPORT NUMBER
N63-13831 09-11 ..... NO REPORT NUMBER
N63-13832 09-02 ..... NO REPORT NUMBER
N63-13833 09-20 ..... NO REPORT NUMBER
N63-13834 09-20 ..... NO REPORT NUMBER
N63-13835 09-20 ..... NO REPORT NUMBER
N63-13836 09-12 ..... RRC-A8
N63-13837 09-12 ..... RRC-B8
N63-13838 09-12 ..... NASA-TN-D-153
N63-13839 09-18 ..... NO REPORT NUMBER
N63-13840 09-10 ..... NORT-62-41
N63-13841 09-33 ..... ASD-TDR-62-86
N63-13842 09-20 ..... ARC-R&M-328
N63-13843 09-29 ..... GCA-TR-63-6-
N63-13844 09-17 ..... S-51
N63-13845 09-29 ..... NO REPORT NUMBER
N63-13846 09-11 ..... ARC-CP-61
N63-13847 09-11 ..... ARC-CP-622
N63-13848 09-11 ..... ARC-CP-630
N63-13849 09-02 ..... ARC-CP-63
N63-13850 09-02 ..... ARC-CP-63
N63-13851 09-23 ..... AFCRL-62-715
N63-13852 09-08 ..... AFCRL-62-736
N63-13853 09-24 ..... USCEC-82-205
N63-13854 09-16 ..... USNRDL-TR-61
N63-13855 09-23 ..... NO REPORT NUMBER
N63-13856 09-11 ..... ARC-R&M-3289
N63-13857 09-30 ..... NO REPORT NUMBER
N63-13858 09-08 ..... NO REPORT NUMBER
N63-13859 09-12 ..... NASA-TR-R-136
N63-13860 09-02 ..... NACA-RM-L55A13M
N63-13861 09-02 ..... NACA-RM-E58B1
N63-13862 09-02 ..... NACA-RM-L56F05
N63-13863 09-26 ..... NACA-RM-E54A15
N63-13864 09-04 ..... NACA-RM-A52J30
N63-13865 09-02 ..... NACA-RM-E54B24
N63-13866 09-03 ..... NACA-RM-L5112B
N63-13867 09-03 ..... NACA-RM-L54C22
N63-13868 09-02 ..... NACA-RM-L55E26M
N63-13869 09-02 ..... NACA-RM-L55L08
N63-13870 09-02 ..... NACA-RM-L55K15
N63-13871 09-02 ..... NACA-RM-L55127M
N63-13872 09-02 ..... NACA-RM-E57J02
N63-13873 09-02 ..... NACA-RM-L55H01
N63-13874 09-13 ..... NACA-RM-L57L03
N63-13875 09-13 ..... NACA-RM-L57K2
N63-13876 09-26 ..... NACA-RM-E53B04
N63-13877 09-13 ..... NACA-RM-A57K21
N63-13878 09-26 ..... NACA-RM-E58C25
N63-13879 09-02 ..... NACA-RM-E56J01
N63-13880 09-02 ..... NACA-RM-L55L07
N63-13881 09-04 ..... NACA-RM-A55L13
N63-13882 09-33 ..... NACA-RM-L58B25
N63-13883 09-02 ..... NASA-MEMO-2-19-59A
N63-13884 09-03 ..... NASA-MEMO-10-4-58A
N63-13885 09-04 ..... NASA-MEMO-10-1-58
N63-13886 09-04 ..... NASA-MEMO-2-2-59H
N63-13887 09-27 ..... NASA-MEMO-12-11-58
N63-13888 09-02 ..... NASA-MEMO-12-22-58
N63-13889 09-02 ..... NASA-MEMO-12-24-58
N63-13890 09-13 ..... NASA-MEMO-12-31-58
N63-13891 09-11 ..... NASA-TM-X-6
N63-13892 09-02 ..... NASA-TM-X-10
N63-13893 09-19 ..... NASA-TM-X-11
N63-13894 09-04 ..... NASA-TM-X-12
N63-13895 09-02 ..... NASA-TM-X-15
N63-13896 09-02 ..... NASA-TM-X-16
N63-13897 09-03 ..... NASA-TM-X-18
N63-13898 09-03 ..... NASA-TM-X-19
N63-13899 09-02 ..... NASA-TM-X-28
N63-13900 09-32 ..... NASA-TM-X-29
N63-13901 09-03 ..... NASA-TM-X-29
N63-13902 09-04 ..... NASA-TM-X-30
N63-13903 09-32 ..... NASA-TM-X-33
N63-13904 09-32 ..... NASA-TM-X-39
N63-13905 09-27 ..... NASA-TM-X-41
N63-13906 09-32 ..... NASA-TM-X-42
N63-13907 09-32 ..... NASA-TM-X-42
N63-13908 09-32 ..... NASA-TM-X-43
N63-13909 09-32 ..... NASA-TM-X-44
N63-13910 09-32 ..... NASA-TM-X-44
N63-13911 09-02 ..... NASA-TM-X-46
N63-13912 09-04 ..... NASA-TM-X-46
N63-13913 09-32 ..... NASA-TM-X-56
N63-13914 09-32 ..... NASA-TM-X-58
N63-13915 09-23 ..... BRL-MEMO-144
N63-13916 09-23 ..... ARAP-5-P
N63-13917 09-07 ..... HUM-1-P
N63-13918 09-07 ..... ILL-9-P
N63-13919 09-07 ..... PSU-10-P
N63-13920 09-23 ..... SRI-15-P
N63-13921 09-20 ..... T&AM-241
N63-13922 09-20 ..... ANL-656

N63-13923	09-20	USCEC-R-78-101
N63-13924	09-33	DAC-31150
N63-13925	09-17	AOL-62-0049-1
N63-13926	09-12	AFCRL-62-460/1/
N63-13927	09-21	AFCRL-62-684
N63-13928	09-08	PIBMRI-1102-62
N63-13929	09-24	JPL-TR-32-86
N63-13930	09-07	JPL-TR-32-288
N63-13931	09-01	JPL-BIBL-39-4/1/
N63-13932	09-12	AFCRL-63-252
N63-13933	09-20	WAPD-TM-363
N63-13934	09-20	WAPD-TM-364
N63-13935	09-20	RM-3376-JPL
N63-13936	09-33	WADD-TR-61-42, PT. 2
N63-13937	09-16	AMRL-TDR-62-122
N63-13938	09-16	AMRL-TDR-62-147
N63-13939	09-23	NO REPORT NUMBER
N63-13940	09-20	NO REPORT NUMBER
N63-13941	09-23	NO REPORT NUMBER
N63-13942	09-23	NO REPORT NUMBER
N63-13943	09-23	NO REPORT NUMBER
N63-13944	09-23	NO REPORT NUMBER
N63-13945	09-23	NO REPORT NUMBER
N63-13946	09-16	RM-3178-PR
N63-13947	09-20	BRL-1183
N63-13948	09-17	BRL-TN-1487
N63-13949	09-11	NASA-TN-D-1459
N63-13950	09-13	NASA-TN-D-1626
N63-13951	09-26	NASA-TN-D-1576
N63-13952	09-29	RAE-TRANS-1019
N63-13953	09-12	RAE-TRANS-1023
N63-13954	09-23	HW-76228
N63-13955	09-23	SSD-TDR-62-154, VOL. II
N63-13956	09-23	SSD-TDR-62-154, VOL. III
N63-13957	09-12	AF SURVEYS IN GEOPHYSICS-141
N63-13958	09-18	NO REPORT NUMBER
N63-13959	09-12	NO REPORT NUMBER
N63-13960	09-23	WADC-TR-59-523, PT. III
N63-13961	09-06	EOS-2080-IR-1
N63-13962		ACC. NO. NOT USED
N63-13963	09-24	ARL-62-471
N63-13964	09-20	ERR-AN-153
N63-13965	09-13	NASA-TN-D-1583
N63-13966	09-33	DAC-31044
N63-13967	09-33	ARC-R&M-3309
N63-13968	09-13	ARC-R&M-3300
N63-13969	09-30	AE62-0814
N63-13970	09-12	NO REPORT NUMBER
N63-13971	09-04	FFA-MEMO-PE-13
N63-13972	09-04	FFA-MEMO-PE-15
N63-13973	09-18	BMI-1621
N63-13974	09-33	ORNL-3398
N63-13975	09-20	ORNL-3399
N63-13976	09-23	C-13
N63-13977	09-23	DP-817
N63-13978	09-20	AFCRL-63-38
N63-13979	09-11	SM-62-49
N63-13980	09-17	WAL-TR-460.54/1-2
N63-13981	09-17	ER-12759
N63-13982	09-07	RMD-5009-Q3
N63-13983	09-26	NOLTR-62-189
N63-13984	09-10	AASU-227
N63-13985	09-20	NO REPORT NUMBER
N63-13986	09-30	NACA-RM-L56E11
N63-13987	09-27	NACA-RM-E54H11
N63-13988	09-08	AFCRL-62-757
N63-13989	09-08	AFCRL-62-727
N63-13990	09-12	RM-3523-NASA
N63-13991	09-05	EFINS-63-1
N63-13992	09-23	USCEC-82-206
N63-13993	09-23	JPRS-13752
N63-13994	09-23	NO REPORT NUMBER
N63-13995	09-23	NO REPORT NUMBER
N63-13996	09-20	APGC-TDR-63-16
N63-13997	09-01	DME/NAE-1962/4/
N63-13998	09-17	NO REPORT NUMBER
N63-13999	09-23	AEDC-TDR-63-60
N63-14000	09-09	W-J-63-434R15
N63-14001	09-20	RADC-TDR-63-8
N63-14002	09-18	NO REPORT NUMBER
N63-14003	09-11	AEDC-TDR-63-57
N63-14004	09-12	AFCRL-62-815
N63-14005	09-08	TM-36
N63-14006	09-33	SM-62-37
N63-14007	09-27	ABL/M-195/REV./
N63-14008	09-05	NO REPORT NUMBER
N63-14009	09-15	NO REPORT NUMBER
N63-14010	09-05	NO REPORT NUMBER
N63-14011	09-15	NO REPORT NUMBER
N63-14012	09-12	NASA-TT-F-109
N63-14013	09-08	IRIG-105-59
N63-14014	09-09	JPRS-13512
N63-14015	09-09	NO REPORT NUMBER
N63-14016	09-09	NO REPORT NUMBER
N63-14017	09-09	NO REPORT NUMBER
N63-14018	09-09	NO REPORT NUMBER
N63-14019	09-09	NO REPORT NUMBER
N63-14020	09-09	NO REPORT NUMBER
N63-14021	09-23	WAPD-TM-350
N63-14022	09-23	NAA-SR-7786
N63-14023	09-33	GDC-62-55A
N63-14024	09-34	NO REPORT NUMBER
N63-14025	09-31	NASA-TN-D-1275
N63-14026	09-15	NASA-TN-D-1663
N63-14027	09-12	NASA-TN-D-1751
N63-14028	09-22	NASA-TN-D-1765
N63-14029	09-02	NASA-TN-D-1768
N63-14030	09-23	TR62-209A
N63-14031	09-11	TR62-209E
N63-14032	09-11	TR62-209F
N63-14033	09-11	TR62-209G
N63-14034	09-10	TR-62-213
N63-14035	09-12	GCA-TR-62-5-G
N63-14036	09-12	NO REPORT NUMBER
N63-14037	09-12	GCA-TR-62-13-G
N63-14038	09-12	GCA-TR-62-14-G
N63-14039	09-12	GCA-TR-62-15-G
N63-14040	09-24	MATT-Q-20
N63-14041	09-11	MIT-DSR-8951
N63-14042	09-19	NO REPORT NUMBER
N63-14043	09-23	SSD-TDR-62-154, VOL. I.
N63-14044	09-14	MRL-TDR-62-79
N63-14045	09-07	BM-RI-6209
N63-14046	09-12	NO REPORT NUMBER
N63-14047	09-08	W-J-63-615R3
N63-14048	09-23	NO REPORT NUMBER
N63-14049	09-23	SMIR-62-7
N63-14050	09-23	SMIR-62-7, APPENDIX
N63-14051	09-33	HW-76158
N63-14052	09-20	WAPD-TM-352
N63-14053	09-20	ORA-63-5
N63-14054	09-23	AROD-1579-10
N63-14055	09-10	ASD-TDR-63-91
N63-14056	09-18	ARF-2208-16
N63-14057	09-27	ASD-TDR-62-578
N63-14058	09-33	ASD-TDR-62-829
N63-14059	09-20	AFCRL-62-779
N63-14060	09-23	NYO-10250
N63-14061	09-23	NO REPORT NUMBER
N63-14062	09-26	NO REPORT NUMBER
N63-14063	09-25	NO REPORT NUMBER
N63-14064	09-30	AFCRL-63-20L
N63-14065	09-07	WIS-TCI-10, SER. 3
N63-14066	09-23	WIS-TCI-11, SER. 3
N63-14067	09-33	AROD-3065-1
N63-14068	09-21	NO REPORT NUMBER
N63-14069	09-26	NO REPORT NUMBER
N63-14070	09-20	NO REPORT NUMBER
N63-14071	09-11	NO REPORT NUMBER
N63-14072	09-16	NO REPORT NUMBER
N63-14073	09-07	SB-62-63
N63-14074	09-07	ASD-TR-7-995 /1/
N63-14075	09-23	AROD-3251-1
N63-14076	09-13	ANL-6660
N63-14077	09-12	NO REPORT NUMBER
N63-14078	09-18	NO REPORT NUMBER
N63-14079	09-23	UCRL-10523
N63-14080	09-23	UCRL-10572
N63-14081	09-12	UCRL-10587
N63-14082	09-23	UCRL-10625
N63-14083	09-23	UCRL-10630
N63-14084	09-23	FRL-TN-137
N63-14085	09-23	NO REPORT NUMBER
N63-14086		ACC. NO. NOT USED
N63-14087	09-29	CRSR-139
N63-14088	09-08	RE-TR-63-2
N63-14089	09-24	RADC-TDR-62-489
N63-14090	09-07	AFCRL-63-260
N63-14091	09-21	AFCRL-63-257
N63-14092	09-12	AFCRL-62-229
N63-14093	09-33	COA-137
N63-14094	09-23	AFCRL-62-786
N63-14095	09-21	NO REPORT NUMBER
N63-14096	09-08	TR-1093
N63-14097	09-33	T&AM-240
N63-14098	09-26	AERONAUTICAL ENG. REPT.-635A
N63-14099	09-11	NO REPORT NUMBER
N63-14100	09-10	NO REPORT NUMBER
N63-14101	09-32	NO REPORT NUMBER
N63-14102	09-22	ASD-TDR-63-74

N63-14103	09-29	GA-3961
N63-14104	09-01	NO REPORT NUMBER
N63-14105	09-23	NO REPORT NUMBER
N63-14106	09-08	NO REPORT NUMBER
N63-14107	09-08	NO REPORT NUMBER
N63-14108	09-20	NO REPORT NUMBER
N63-14109	09-11	NO REPORT NUMBER
N63-14110	09-15	NO REPORT NUMBER
N63-14111	09-23	NO REPORT NUMBER
N63-14112	09-07	NO REPORT NUMBER
N63-14113	09-01	NO REPORT NUMBER
N63-14114	09-33	NO REPORT NUMBER
N63-14115	09-03	NO REPORT NUMBER
N63-14116	09-33	NO REPORT NUMBER
N63-14117	09-33	NO REPORT NUMBER
N63-14118	09-33	NO REPORT NUMBER
N63-14119	09-33	NO REPORT NUMBER
N63-14120	09-20	NO REPORT NUMBER
N63-14121	09-32	NO REPORT NUMBER
N63-14122	09-27	NO REPORT NUMBER
N63-14123	09-06	NO REPORT NUMBER
N63-14124	09-06	NO REPORT NUMBER
N63-14125	09-06	NO REPORT NUMBER
N63-14126	09-06	NO REPORT NUMBER
N63-14127	09-06	NO REPORT NUMBER
N63-14128	09-06	NO REPORT NUMBER
N63-14129	09-06	NO REPORT NUMBER
N63-14130	09-06	NO REPORT NUMBER
N63-14131	09-06	NO REPORT NUMBER
N63-14132	09-06	NO REPORT NUMBER
N63-14133	09-06	NO REPORT NUMBER
N63-14134	09-06	NO REPORT NUMBER
N63-14135	09-06	NO REPORT NUMBER
N63-14136	09-06	NO REPORT NUMBER
N63-14137	09-06	NO REPORT NUMBER
N63-14138	09-06	NO REPORT NUMBER
N63-14139	09-06	NO REPORT NUMBER
N63-14140	09-06	NO REPORT NUMBER
N63-14141	09-06	NO REPORT NUMBER
N63-14142	09-06	NO REPORT NUMBER
N63-14143	09-06	NO REPORT NUMBER
N63-14144	09-06	NO REPORT NUMBER
N63-14145	09-06	NO REPORT NUMBER
N63-14146	09-06	NO REPORT NUMBER
N63-14147	09-06	NO REPORT NUMBER
N63-14148	09-06	NO REPORT NUMBER
N63-14149	09-06	NO REPORT NUMBER
N63-14150	09-06	NO REPORT NUMBER
N63-14151	09-06	NO REPORT NUMBER
N63-14152	09-06	NO REPORT NUMBER
N63-14153	09-06	NO REPORT NUMBER
N63-14154	09-06	NO REPORT NUMBER
N63-14155	09-06	NO REPORT NUMBER
N63-14156	09-06	NO REPORT NUMBER
N63-14157	09-06	NO REPORT NUMBER
N63-14158	09-06	NO REPORT NUMBER
N63-14159	09-06	NO REPORT NUMBER
N63-14160	09-06	NO REPORT NUMBER
N63-14161	09-06	NO REPORT NUMBER
N63-14162	09-06	NO REPORT NUMBER
N63-14163	09-06	NO REPORT NUMBER
N63-14164	09-06	NO REPORT NUMBER
N63-14165	09-06	NO REPORT NUMBER
N63-14166	09-06	NO REPORT NUMBER
N63-14167	09-06	NO REPORT NUMBER
N63-14168	09-06	NO REPORT NUMBER
N63-14169	09-06	NO REPORT NUMBER
N63-14170	09-06	NO REPORT NUMBER
N63-14171	09-06	NO REPORT NUMBER
N63-14172	09-07	CAL-QM-1626-A-10
N63-14173	09-12	UAG-R133
N63-14174	09-12	AFCRL-63-289
N63-14175	09-02	ARL-63-14
N63-14176	09-33	BALLISTICS RES. REPT.-76
N63-14177	09-16	AMRL-TDR-62-142
N63-14178	09-05	AFCRL-62-890
N63-14179	09-28	GRD RES. NOTES-58
N63-14180	09-12	AFCRL-62-803
N63-14181	09-21	AFCRL-62-899
N63-14182	09-12	AFCRL-62-1024
N63-14183	09-20	AFCRL-62-891
N63-14184	09-20	AFCRL-62-1098
N63-14185	09-04	NO REPORT NUMBER
N63-14186	09-05	AFCRL-62-1111
N63-14187	09-24	AFCRL-62-1112
N63-14188	09-28	EFINS-63-8
N63-14189	09-23	GA-3409
N63-14190	09-11	NWL-1840
N63-14191	09-27	ASRL-TR-1007
N63-14192	09-15	AFCRL-62-1110
N63-14193	09-24	TR62-209C
N63-14194	09-08	TR62-209B
N63-14195	09-24	TR62-209C
N63-14196	09-24	TR62-209U
N63-14197	09-24	TR62-209M
N63-14198	09-08	RADC-TDR-62-521
N63-14199	09-08	AFCRL-63-2[illegible]
N63-14200	09-11	BM-RI-619[illegible]
N63-14201	09-18	BSD-TDR-63-62[illegible]
N63-14202	09-11	SC-4764/RR/
N63-14203	09-29	NO REPORT NUMBER
N63-14204	09-18	NO REPORT NUMBER
N63-14205	09-23	NASA-TN-D-166[illegible]
N63-14206	09-15	GEAP-3914
N63-14207	09-11	NASA-TN-D-163[illegible]
N63-14208	09-11	GA-363[illegible]
N63-14209	09-25	BSD-TDR-63-6[illegible]
N63-14210	09-09	NASA-TT-F-15[illegible]
N63-14211	09-15	TID-18124
N63-14212	09-02	DI-82-022[illegible]
N63-14213	09-33	NO REPORT NUMBER
N63-14214	09-13	NO REPORT NUMBER
N63-14215	09-23	NYO-10258
N63-14216	09-25	NO REPORT NUMBER
N63-14217	09-25	AFCRL-62-718
N63-14218	09-19	AFCRL-62-535
N63-14219	09-09	AFCRL-63-2[illegible]
N63-14220	09-08	AFCRL-62-777
N63-14221	09-26	MRB-2022Q2
N63-14222	09-34	NO REPORT NUMBER
N63-14223	09-21	IRIG-109-62
N63-14224	09-07	NBS-7829
N63-14225	09-18	WAL-TR-320.1/11
N63-14226	09-01	NO REPORT NUMBER
N63-14227	09-33	NOTS-TP-3069
N63-14228	09-20	PIBMRI-1087-62
N63-14229	09-07	NO REPORT NUMBER
N63-14230	09-18	ASD-TRD-62-481
N63-14231	10-28	NO REPORT NUMBER
N63-14232	10-23	AEDC-TDR-63-71
N63-14233	10-23	NO REPORT NUMBER
N63-14234	10-06	NO REPORT NUMBER
N63-14235	10-23	NO REPORT NUMBER
N63-14236	10-18	TDR-169/3240-31/TR-2
N63-14237	10-23	TID-17089/PT. I/
N63-14238	10-08	CAL-VC-1609-P-1
N63-14239	10-20	NADC-MA-6302
N63-14240	10-23	AFCRL-63-225
N63-14241	10-20	AFCRL-63-282
N63-14242	10-23	IS-52[illegible]
N63-14243	10-26	AERONAUTICAL ENG. REPT.-446N
N63-14244	10-12	AFCRL-63-25[illegible]
N63-14245	10-18	ASD-TDR-62-1111
N63-14246	10-12	SEL-62-149
N63-14247	10-04	NASA-TM-X-75[illegible]
N63-14248	10-16	NASA-TT-F-16[illegible]
N63-14249	10-20	NASA-TN-D-1112
N63-14250	10-33	NASA-TN-D-1574
N63-14251	10-02	NASA-TN-D-1578
N63-14252	10-03	NASA-TN-D-1618
N63-14253	10-29	SAO SPECIAL REPT.-111
N63-14254	10-29	SAO SPECIAL REPT.-113
N63-14255	10-15	BM-RI-6212[illegible]
N63-14256		ACC. NO. NOT USED
N63-14257	10-07	TP-63[illegible]
N63-14258	10-11	NO REPORT NUMBER
N63-14259	10-23	NO REPORT NUMBER
N63-14260	10-16	USNRDL-TR-616
N63-14261	10-20	NO REPORT NUMBER
N63-14262	10-10	AEDC-TDR-62-230
N63-14263	10-20	RF-TR-63-3
N63-14264	10-23	NO REPORT NUMBER
N63-14265	10-15	NO REPORT NUMBER
N63-14266	10-18	NO REPORT NUMBER
N63-14267	10-11	NO REPORT NUMBER
N63-14268	10-29	SAO SPECIAL REPT.-112
N63-14269	10-23	MRL-118
N63-14270	10-11	BB-316
N63-14271	10-33	NASA-TN-D-1499
N63-14272	10-23	NASA-TN-D-1523
N63-14273	10-12	NASA-TN-D-1573
N63-14274	10-22	NASA-TN-D-1627
N63-14275	10-23	NO REPORT NUMBER
N63-14276	10-15	NASA-TN-D-1695
N63-14277	10-15	NASA-TN-D-1716
N63-14278	10-11	NASA-TN-D-1795
N63-14279	10-33	NASA-TN-D-1872, REV.
N63-14280	10-23	BMI-1620
N63-14281	10-07	DP-732
N63-14282	10-07	NOLTR-62-166

N63-14283	10-18	DMIC-MEMO-165
N63-14284	10-09	TR-1099
N63-14285	10-23	TID-17089/PT. II/
N63-14286	10-15	Y-1403
N63-14287	10-12	NO REPORT NUMBER
N63-14288	10-28	NO REPORT NUMBER
N63-14289	10-23	NO REPORT NUMBER
N63-14290	10-05	NO REPORT NUMBER
N63-14291	10-29	NO REPORT NUMBER
N63-14292	10-29	JPL-TM-33-99, VOL. 1, PT. B
N63-14293	10-28	NASA-TN-D-1700
N63-14294	10-18	USBM-U-1001
N63-14295	10-17	USCEC-93-201
N63-14296	10-24	NO REPORT NUMBER
N63-14297	10-04	NO REPORT NUMBER
N63-14298	10-19	NO REPORT NUMBER
N63-14299	10-18	ARF-B183-13
N63-14300	10-08	AFCRL-63-291
N63-14301	10-20	ASD-TDR-63-63
N63-14302	10-11	GA-3827
N63-14303	10-26	S-38
N63-14304	10-29	BSD-TDR-62-270
N63-14305	10-14	NO REPORT NUMBER
N63-14306	10-25	ASD-TDR-63-215
N63-14307	10-04	NO REPORT NUMBER
N63-14308	10-23	HW-76323
N63-14309	10-33	NO REPORT NUMBER
N63-14310	10-09	AFCRL-63-5
N63-14311	10-26	EM-1110-345-332
N63-14312	10-11	AASU-185
N63-14313		ACC. NO. NOT USED
N63-14314	10-11	AEDC-TDR-63-82
N63-14315	10-24	NO REPORT NUMBER
N63-14316	10-16	NASA-TT-F-159
N63-14317	10-05	AFCRL-63-200
N63-14318	10-24	NO REPORT NUMBER
N63-14319	10-33	NLR-TN-M.2096
N63-14320	10-15	NLR-TN-M.2098
N63-14321	10-33	NRL-TN-M.2099
N63-14322	10-12	NO REPORT NUMBER
N63-14323	10-12	NO REPORT NUMBER
N63-14324	10-26	NO REPORT NUMBER
N63-14325	10-23	NYO-10259
N63-14326	10-23	NYO-10260
N63-14327	10-09	NO REPORT NUMBER
N63-14328	10-28	EFINS-63-9
N63-14329	10-23	FTD-TT-62-1171/1&2&4
N63-14330	10-20	TR 63-12
N63-14331	10-29	RM-3554-PR
N63-14332	10-25	AFCRL-63-15
N63-14333	10-16	CARI-63-1
N63-14334	10-29	FFM-56
N63-14335	10-33	RAE-TRANS-1022
N63-14336	10-08	RAE-TRANS-1025
N63-14337	10-23	NO REPORT NUMBER
N63-14338	10-11	DSR-8998-1
N63-14339	10-23	AF-101
N63-14340	10-20	MH-MPG-1529-TR-7
N63-14341	10-19	NO REPORT NUMBER
N63-14342	10-23	NAA-SR-7263
N63-14343	10-32	NO REPORT NUMBER
N63-14344	10-27	ER-12289
N63-14345	10-29	ER-12290
N63-14346	10-29	ER-12292
N63-14347	10-29	ER-12297
N63-14348	10-16	ER-12300
N63-14349	10-29	ER-12304
N63-14350	10-10	ER-12305
N63-14351	10-32	FFM-55
N63-14352	10-20	DFL-184
N63-14353	10-04	DFL-193
N63-14354	10-27	UTIA-TN-64
N63-14355	10-30	UTIA-89
N63-14356	10-29	RAE-TRANS-1026
N63-14357	10-07	AFCRL-62-626
N63-14358	10-20	NO REPORT NUMBER
N63-14359	10-25	AFCRL-63-288, VOL. I
N63-14360	10-25	AFCRL-63-288, VOL. II
N63-14361	10-23	AROD-2781-3
N63-14362	10-20	GCA-TR-63-2-A
N63-14363	10-20	GCA-TR-63-4-A
N63-14364	10-16	NASA-TT-F-158
N63-14365	10-07	NOLTR-63-1
N63-14366	10-04	TCREC-62-63, VOL. I
N63-14367	10-04	TCREC-62-63, VOL. II
N63-14368	10-23	NO REPORT NUMBER
N63-14369	10-33	NO REPORT NUMBER
N63-14370	10-27	DFL-185
N63-14371	10-01	NO REPORT NUMBER
N63-14372	10-23	NO REPORT NUMBER
N63-14373	10-07	AID S-63-34
N63-14374	10-23	NO REPORT NUMBER
N63-14375	10-08	NO REPORT NUMBER
N63-14376	10-07	NO REPORT NUMBER
N63-14377	10-20	PIBMRI-1108-62
N63-14378	10-21	RM-3564-PR
N63-14379	10-11	USCEC-83-101
N63-14380	10-11	NO REPORT NUMBER
N63-14381	10-11	NO REPORT NUMBER
N63-14382	10-02	NO REPORT NUMBER
N63-14383	10-02	NO REPORT NUMBER
N63-14384	10-15	NO REPORT NUMBER
N63-14385	10-11	NO REPORT NUMBER
N63-14386	10-11	NO REPORT NUMBER
N63-14387	10-11	NO REPORT NUMBER
N63-14388	10-24	NO REPORT NUMBER
N63-14389	10-24	NO REPORT NUMBER
N63-14390	10-24	NO REPORT NUMBER
N63-14391	10-24	NO REPORT NUMBER
N63-14392	10-24	NO REPORT NUMBER
N63-14393	10-11	NO REPORT NUMBER
N63-14394	10-24	NO REPORT NUMBER
N63-14395	10-23	NO REPORT NUMBER
N63-14396	10-23	NO REPORT NUMBER
N63-14397	10-29	NASA-TM-X-824
N63-14398	10-23	DRL-A-202
N63-14399	10-13	AFCRL-63-247
N63-14400	10-10	UTIA-REV-22
N63-14401	10-15	AASU-208
N63-14402	10-18	NASA-TN-D-1531
N63-14403	10-07	NASA-TN-D-1581
N63-14404	10-29	NASA-TN-D-1676
N63-14405	10-18	NASA-TN-D-1706
N63-14406	10-29	NASA-TN-D-1871
N63-14407	10-34	NOLTR-62-206
N63-14408	10-07	TIL/T-5129
N63-14409	10-02	DVL-243
N63-14410	10-02	MIT FLUID DYN. RES. LAB.-63-1
N63-14411	10-32	SAO SPECIAL REPT.-116
N63-14412	10-25	AEC-TR-5575
N63-14413	10-27	JPL-TR-32-385
N63-14414	10-01	NO REPORT NUMBER
N63-14415	10-23	NO REPORT NUMBER
N63-14416	10-25	NO REPORT NUMBER
N63-14417	10-23	NO REPORT NUMBER
N63-14418	10-09	NO REPORT NUMBER
N63-14419	10-09	NO REPORT NUMBER
N63-14420	10-23	NO REPORT NUMBER
N63-14421	10-25	NO REPORT NUMBER
N63-14422	10-25	NO REPORT NUMBER
N63-14423	10-15	DVL-182
N63-14424	10-20	MRC-319
N63-14425	10-20	MRC-321
N63-14426	10-28	NASA-TN-D-1684
N63-14427	10-02	NASA-TN-D-1622
N63-14428	10-32	NASA-TN-D-1722
N63-14429	10-04	NASA-TN-D-1826
N63-14430	10-23	NASA-TN-D-1873
N63-14431	10-16	NASA-TT-F-161
N63-14432	10-16	NASA-TT-F-162
N63-14433	10-20	MRC-313
N63-14434	10-16	NO REPORT NUMBER
N63-14435	10-15	AFCRL-63-407
N63-14436	10-27	NO REPORT NUMBER
N63-14437	10-03	NO REPORT NUMBER
N63-14438	10-04	DFL-188
N63-14439	10-03	DFL-189
N63-14440	10-03	DFL-190
N63-14441	10-23	NRL-MEMO-1361, PT. 2
N63-14442	10-03	DFL-191
N63-14443	10-15	NO REPORT NUMBER
N63-14444	10-22	NASA-TN-D-1653
N63-14445	10-22	NO REPORT NUMBER
N63-14446	10-22	NO REPORT NUMBER
N63-14447	10-12	AFCRL-63-52
N63-14448	10-15	AFCRL-63-405
N63-14449	10-11	BSD-TDR-62-354
N63-14450	10-06	JPL-TR-32-350
N63-14451	10-11	TIL/T-5323
N63-14452	10-23	AROD-1579-11
N63-14453	10-20	MRC-324
N63-14454	10-33	MRC-326
N63-14455	10-20	MRC-327
N63-14456	10-20	MRC-332
N63-14457	10-20	MRC-342
N63-14458	10-20	MRC-240
N63-14459	10-20	MRC-278
N63-14460	10-20	MRC-292
N63-14461	10-20	MRC-309
N63-14462	10-24	MRC-310

N63-14463	10-20	MRC-312
N63-14464	10-33	NO REPORT NUMBER
N63-14465	10-11	JPL-TR-32-387
N63-14466	10-08	JPL-TR-32-377
N63-14467	10-20	JPL-TR-32-381
N63-14468	10-33	DOMIIT-1-22
N63-14469	10-05	NO REPORT NUMBER
N63-14470	10-07	PA-TM-1060
N63-14471	10-06	NO REPORT NUMBER
N63-14472	10-20	NO REPORT NUMBER
N63-14473	10-20	MRC-300
N63-14474	10-11	MRC-299
N63-14475	10-20	MRC-293
N63-14476	10-25	MRC-294
N63-14477	10-20	MRC-297
N63-14478	10-20	MRC-303
N63-14479	10-20	MRC-305
N63-14480	10-20	MRC-334
N63-14481	10-11	AEDC-TDR-63-24
N63-14482	10-25	NO REPORT NUMBER
N63-14483	10-27	JPL-TR-32-375
N63-14484	10-21	ERDA-8
N63-14485	10-07	EXP-223/3
N63-14486	10-18	NO REPORT NUMBER
N63-14487	10-26	NOLTR-62-159
N63-14488	10-26	NO REPORT NUMBER
N63-14489	10-14	AMRL-TDR-62-148
N63-14490	10-33	NO REPORT NUMBER
N63-14491	10-05	NO REPORT NUMBER
N63-14492	10-07	NOLTR-62-65
N63-14493	10-23	ORNL-3266
N63-14494	10-08	RADC-TDR-63-123
N63-14495	10-20	LAMS-2845
N63-14496	10-19	FPL-1890
N63-14497	10-16	UR-622
N63-14498	10-33	TID-17887
N63-14499	10-23	AFCRL-63-18
N63-14500	10-23	IER SER. 131, ISSUE 20
N63-14501	10-09	PIBMRI-1119-63
N63-14502	10-23	NO REPORT NUMBER
N63-14503	10-20	DVL-239
N63-14504	10-25	RADC-TDR-63-141
N63-14505	10-20	MRC-301
N63-14506	10-20	MRC-306
N63-14507	10-20	MRC-314
N63-14508	10-20	MRC-315
N63-14509	10-20	MRC-316
N63-14510	10-20	MRC-317
N63-14511	10-33	MRC-318
N63-14512	10-20	MRC-323
N63-14513	10-20	MRC-328
N63-14514	10-20	MRC-330
N63-14515	10-20	MRC-331
N63-14516	10-07	AOMC-RR-TR-62-3
N63-14517	10-27	NO REPORT NUMBER
N63-14518	10-19	NO REPORT NUMBER
N63-14519	10-23	NO REPORT NUMBER
N63-14520	10-13	CU-23-62-ONR-266/20/-CE
N63-14521	10-23	SCDC-2580
N63-14522	10-06	ASD-TDR-62-837
N63-14523	10-21	AFCRL-62-1114
N63-14524	10-21	NO REPORT NUMBER
N63-14525	10-12	AD-216319
N63-14526	10-11	NO REPORT NUMBER
N63-14527	10-04	NASA-MEMO-4-2-59L
N63-14528		ACC. NO. NOT USED
N63-14529	10-07	LA-2844
N63-14530	10-24	LAMS-2874
N63-14531	10-03	DFL-159
N63-14532	10-23	TCREC-TR-62-90
N63-14533	10-09	AFCRL-63-21
N63-14534	10-24	D1-82-0147
N63-14535	10-26	ARL-62-379
N63-14536	10-23	AFCRL-63-27
N63-14537	10-28	NO REPORT NUMBER
N63-14538	10-06	NGTE-M-59
N63-14539	10-01	TDR-930/2701-01/TN-1/IIPT 1-4S
N63-14540	10-12	AFCRL-63-404, PT. I&II
N63-14541	10-12	NO REPORT NUMBER
N63-14542	10-12	AFCRL-63-404
N63-14543	10-12	NO REPORT NUMBER
N63-14544	10-12	NO REPORT NUMBER
N63-14545	10-25	TRG-134-QRT-3
N63-14546	10-32	SAO SPECIAL REPT.-114
N63-14547	10-23	NO REPORT NUMBER
N63-14548	10-33	NO REPORT NUMBER
N63-14549	10-33	NO REPORT NUMBER
N63-14550	10-09	NO REPORT NUMBER
N63-14551	10-28	AFCRL-63-205
N63-14552	10-09	TIL/T-5326
N63-14553	10-09	AFCRL-63-13
N63-14554	10-09	R-143
N63-14555	10-06	R-145
N63-14556	10-23	SLAC-12
N63-14557	10-23	SLAC-14
N63-14558	10-28	NO REPORT NUMBER
N63-14559	10-09	TR-1108
N63-14560		ACC. NO. NOT USED
N63-14561	10-13	NAA-SR-7770
N63-14562	10-11	ANL-6625
N63-14563	10-11	ANL-6674
N63-14564	10-23	ANL-6692
N63-14565	10-07	SR1-16-P
N63-14566	10-09	REIC-26
N63-14567	10-23	ORNL-3407
N63-14568	10-23	LA-2390, SUPPL.
N63-14569	10-10	LAMS-2875
N63-14570	10-16	USNRDL-TR-622
N63-14571	10-23	AVCO-EVERETT RES. REPT.-147
N63-14572	10-13	NO REPORT NUMBER
N63-14573	10-13	IDO-28578
N63-14574	10-14	HSR-RR-62/10-MK-X
N63-14575	10-21	AWS-TR-166
N63-14576	10-20	NOLTR-63-31
N63-14577	10-11	NAVORD-6877
N63-14578	10-19	DFL-192
N63-14579	10-08	AFCRL-62-700
N63-14580	10-15	BRL-MEMO-1448
N63-14581	10-11	NO REPORT NUMBER
N63-14582	10-01	NO REPORT NUMBER
N63-14583	10-20	MRC-355
N63-14584	10-20	MRC-365
N63-14585	10-07	JPL-TR-32-393
N63-14586	10-21	NASA-TN-D-1713
N63-14587	10-29	NASA-TN-D-1767
N63-14588	10-02	NASA-TN-D-1769
N63-14589	10-02	NASA-TN-D-1779
N63-14590	10-18	AR1-62-397
N63-14591	10-08	JPL-SPS-37-20, VOL. III
N63-14592	10-20	AFCRL-62-1132
N63-14593	10-20	MRC-363
N63-14594	10-11	MRC-373
N63-14595	10-11	MRC-374
N63-14596	10-24	MRC-360
N63-14597	10-18	UCRL-5705/SUPPL. 2/
N63-14598	10-07	UCRL-7204
N63-14599	10-15	UCRL-7223
N63-14600	10-24	UCRL-10607
N63-14601	10-07	AFCRL-62-731
N63-14602	10-33	ASD-TR-61-667, VOL. III
N63-14603	10-06	SSD-TDR-63-24
N63-14604	10-15	RADC-TDR-62-446
N63-14605	10-20	AFCRL-62-1108
N63-14606	10-12	AFCRL-63-201
N63-14607	10-02	AEDC-TDR-63-58
N63-14608	10-24	GASL-TR-317
N63-14609	10-20	LA-2367
N63-14610		ACC. NO. NOT USED
N63-14611	10-31	AROD-N-62.4
N63-14612	10-24	NO REPORT NUMBER
N63-14613	10-04	NO REPORT NUMBER
N63-14614	10-11	DK-532526
N63-14615	10-20	AROD-1517-51
N63-14616	10-07	AROD-2336-2
N63-14617	10-26	NO REPORT NUMBER
N63-14618	10-04	NO REPORT NUMBER
N63-14619	10-17	RTD-TDR-63-1023
N63-14620	10-12	PNE-111F
N63-14621	10-07	BBC-115
N63-14622		ACC. NO. NOT USED
N63-14623	10-20	CAL-AF-1285-A-9
N63-14624	10-07	ARL-63-13
N63-14625	10-23	MLM-1144
N63-14626	10-30	NASA-TN-D-1673
N63-14627	10-15	NOLTR-62-218
N63-14628	10-23	NO REPORT NUMBER
N63-14629	10-20	LMSC-6-90-62-125
N63-14630	10-33	TID-17682
N63-14631	10-07	UCRL-10634
N63-14632	10-07	NO REPORT NUMBER
N63-14633	10-16	NO REPORT NUMBER
N63-14634	10-23	NO REPORT NUMBER
N63-14635	10-16	NO REPORT NUMBER
N63-14636	10-07	NO REPORT NUMBER
N63-14637	10-11	NO REPORT NUMBER
N63-14638	10-23	PST-501
N63-14639	10-06	TB-63-3
N63-14640	10-33	TIL/T-5032
N63-14641	10-08	DVL-256
N63-14642	10-20	DVL-260

N63-14643	10-33	IR-62-17
N63-14644	10-15	NBL-191
N63-14645	10-25	RR-TR-63-1
N63-14646	10-07	AFCRL-63-75
N63-14647	10-26	PA-TM-1101
N63-14648	10-14	AMRL-TDR-62-138
N63-14649	10-18	ASD-TDR-62-1075
N63-14650	10-11	MD-63-1
N63-14651	10-20	GEMP-192
N63-14652	10-17	RIA-63-313
N63-14653	10-17	RIA-63-88
N63-14654	10-21	AFCRL-63-241
N63-14655		ACC. NO. NOT USED
N63-14656	10-20	DI-82-0148
N63-14657	10-26	NO REPORT NUMBER
N63-14658	10-08	NO REPORT NUMBER
N63-14659	10-25	AFCRL-62-173
N63-14660	10-09	AF-102
N63-14661	10-26	NAA-SR-7098
N63-14662	10-03	DVL-197
N63-14663	10-23	ORNL-3288
N63-14664	10-06	NAA-SR-8097
N63-14665	10-16	LF-6
N63-14666	10-23	JPL-TR-32-165
N63-14667	10-23	NO REPORT NUMBER
N63-14668	10-29	NO REPORT NUMBER
N63-14669	10-05	NO REPORT NUMBER
N63-14670	10-18	NO REPORT NUMBER
N63-14671	10-18	NO REPORT NUMBER
N63-14672	10-18	NO REPORT NUMBER
N63-14673	10-18	NO REPORT NUMBER
N63-14674	10-18	NO REPORT NUMBER
N63-14675	10-33	NO REPORT NUMBER
N63-14676	10-34	AFFTC-TR-60-43, VOL. III
N63-14677	10-29	JPL-TR-32-347
N63-14678	10-29	NO REPORT NUMBER
N63-14679	10-29	NO REPORT NUMBER
N63-14680	10-02	NASA-MEMO-2-17-59E
N63-14681	10-02	NASA-TM-X-652
N63-14682	10-02	NASA-TM-X-665
N63-14683	10-04	NO REPORT NUMBER
N63-14684	10-04	NO REPORT NUMBER
N63-14685	10-04	NO REPORT NUMBER
N63-14686	10-04	NO REPORT NUMBER
N63-14687	10-03	NO REPORT NUMBER
N63-14688	10-04	NO REPORT NUMBER
N63-14689	10-03	NO REPORT NUMBER
N63-14690	10-04	NO REPORT NUMBER
N63-14691	10-04	NO REPORT NUMBER
N63-14692	10-04	NO REPORT NUMBER
N63-14693	10-04	NO REPORT NUMBER
N63-14694	10-04	NO REPORT NUMBER
N63-14695	10-04	NO REPORT NUMBER
N63-14696	10-04	NO REPORT NUMBER
N63-14697	10-04	NO REPORT NUMBER
N63-14698	10-04	NO REPORT NUMBER
N63-14699	10-04	NO REPORT NUMBER
N63-14700	10-04	NO REPORT NUMBER
N63-14701	10-04	NO REPORT NUMBER
N63-14702	10-04	NO REPORT NUMBER
N63-14703	10-04	NO REPORT NUMBER
N63-14704	10-04	NO REPORT NUMBER
N63-14705	10-33	NO REPORT NUMBER
N63-14706	10-33	NO REPORT NUMBER
N63-14707	10-33	NO REPORT NUMBER
N63-14708	10-33	NO REPORT NUMBER
N63-14709	10-04	NO REPORT NUMBER
N63-14710	10-19	KAPL-2216
N63-14711	10-20	LA-2414
N63-14712	10-16	USNRDL-TR-625
N63-14713	10-29	TIS-R62-SD-84
N63-14714	10-28	NASA-TN-D-1687
N63-14715	10-22	NO REPORT NUMBER
N63-14716	10-33	ARL-63-4
N63-14717	11-29	JPL-TR-32-77
N63-14718	11-26	RTD-TDR-63-1024
N63-14719	11-18	BMI-1611
N63-14720	11-07	NO REPORT NUMBER
N63-14721	11-20	NWL-1833
N63-14722	11-10	AEDC-TDR-63-88
N63-14723	11-06	AGN-TM-400
N63-14724	11-06	NAA-SR-7797
N63-14725	11-33	TIL/T-4957
N63-14726	11-13	TIL/T-5387
N63-14727	11-05	NO REPORT NUMBER
N63-14728	11-05	NO REPORT NUMBER
N63-14729	11-05	NO REPORT NUMBER
N63-14730	11-05	NO REPORT NUMBER
N63-14731	11-05	NO REPORT NUMBER
N63-14732	11-15	NRL-5778
N63-14733	11-16	NRL-5800
N63-14734	11-08	AFCRL-62-174
N63-14735	11-17	FGT-1880
N63-14736	11-05	NO REPORT NUMBER
N63-14737	11-05	NO REPORT NUMBER
N63-14738	11-34	NO REPORT NUMBER
N63-14739	11-29	SB-61-67
N63-14740	11-26	U-2059
N63-14741	11-07	SSD-TDR-62-127, VOL. III
N63-14742	11-33	R-63-4
N63-14743	11-17	PF-63-3
N63-14744	11-06	NO REPORT NUMBER
N63-14745	11-19	BMRI-6220
N63-14746	11-06	NO REPORT NUMBER
N63-14747	11-33	DTMB-1614
N63-14748	11-33	NO REPORT NUMBER
N63-14749	11-33	NO REPORT NUMBER
N63-14750	11-23	NO REPORT NUMBER
N63-14751	11-23	NO REPORT NUMBER
N63-14752	11-24	SC-4776/RR/
N63-14753	11-18	NO REPORT NUMBER
N63-14754	11-22	NO REPORT NUMBER
N63-14755	11-02	NASA-MEMO-3-5-59A
N63-14756	11-11	NASA-MEMO-3-4-59E
N63-14757	11-02	NASA-MEMO-3-2-59L
N63-14758	11-02	NASA-MEMO-12-5-58L
N63-14759	11-27	NACA-RM-E52C13
N63-14760	11-27	NACA-RM-E54B18
N63-14761	11-27	NACA-RM-E56C09
N63-14762	11-02	NACA-RM-E57A07
N63-14763	11-33	NACA-RM-L57C11
N63-14764	11-21	NO REPORT NUMBER
N63-14765	11-13	NASA-TM-X-263
N63-14766	11-02	NASA-TM-X-437
N63-14767	11-04	NASA-TM-X-514
N63-14768	11-25	ASD-TDR-62-1026
N63-14769	11-15	AEDC-TDR-63-47
N63-14770	11-08	RAL-TM-63-1
N63-14771	11-23	AFCRL-63-430
N63-14772	11-33	NASA-TM-X-355
N63-14773	11-15	AFSWC-TDR-61-76
N63-14774	11-24	PIBMRI-1025-62
N63-14775	11-24	ASD-TDR-62-459
N63-14776	11-11	SUFFIELD-TN-92
N63-14777	11-23	AFCRL-62-553
N63-14778	11-11	TR-1102
N63-14779	11-11	TR-1114
N63-14780	11-15	AEDC-TDR-63-46
N63-14781	11-02	NASA-TR-R-115
N63-14782	11-29	NO REPORT NUMBER
N63-14783	11-12	NRL-5833
N63-14784	11-09	NRL-5848
N63-14785	11-15	NRL-5850
N63-14786	11-28	NRL-5869
N63-14787	11-10	NRL-5887
N63-14788	11-04	NAVTRADEVCEN-1146-1
N63-14789	11-16	NO REPORT NUMBER
N63-14790	11-16	SAM-TDR-62-76
N63-14791	11-16	SAM-TDR-62-88
N63-14792	11-17	Y-1414
N63-14793	11-23	Y-1415
N63-14794	11-26	TIL/T-5386
N63-14795	11-20	NO REPORT NUMBER
N63-14796	11-20	NO REPORT NUMBER
N63-14797	11-33	NO REPORT NUMBER
N63-14798	11-08	ERB-626
N63-14799	11-23	LNF-62/109
N63-14800	11-13	ASD-TR-61-445, PT. II
N63-14801	11-01	ORNL-3191
N63-14802	11-20	R-141
N63-14803	11-22	NO REPORT NUMBER
N63-14804	11-22	NO REPORT NUMBER
N63-14805	11-24	NASA-TN-D-1659
N63-14806	11-29	NASA-TN-D-1770
N63-14807	11-23	AEROCHEM-TP-45
N63-14808	11-20	NO REPORT NUMBER
N63-14809	11-23	NYO-10257
N63-14810	11-19	NBS-TN-137
N63-14811	11-10	NASA-TN-D-1631
N63-14812	11-23	ORNL-3254
N63-14813	11-07	ORNL-3265
N63-14814	11-07	PA-TM-1113
N63-14815	11-13	MTI-62TR41
N63-14816	11-17	MTI-63TR8
N63-14817	11-12	RRC-A84
N63-14818	11-12	RRC-B81
N63-14819	11-23	AFCRL-63-80
N63-14820	11-22	AFCRL-63-83
N63-14821	11-02	NO REPORT NUMBER
N63-14822	11-02	NO REPORT NUMBER

N63-14823	11-16	IER SER. 60, ISSUE 476
N63-14824	11-16	USNRDL-TR-620
N63-14825	11-21	NO REPORT NUMBER
N63-14826	11-20	AROD-2776-10
N63-14827	11-02	NOLTR-62-11
N63-14828	11-18	SB-62-68
N63-14829	11-23	U-106-48
N63-14830	11-02	NO REPORT NUMBER
N63-14831	11-25	ARF-A1216-7
N63-14832	11-02	TDR-169/3230-12/TN-6
N63-14833	11-33	R-62-36
N63-14834	11-33	UTIA-87
N63-14835	11-18	AFCRL-63-69
N63-14836	11-18	NO REPORT NUMBER
N63-14837	11-18	NO REPORT NUMBER
N63-14838	11-19	NO REPORT NUMBER
N63-14839	11-18	AFCRL-63-3
N63-14840	11-26	DASA-1336
N63-14841	11-06	TB-63-2
N63-14842	11-23	NBS-TN-172
N63-14843	11-23	S-510
N63-14844	11-02	UTIA-TN-65
N63-14845	11-15	NBS-MONOGRAPH-35
N63-14846	11-23	NBS-MONOGRAPH-47
N63-14847	11-24	FTD-TT-62-1092/1&2
N63-14848	11-18	ASD-TDR-62-431
N63-14849	11-16	RADC-TDR-62-604
N63-14850	11-08	PIBMRI-1048-62
N63-14851	11-09	IM-1062
N63-14852	11-26	RAI-314
N63-14853	11-08	NBS-TN-18-15
N63-14854	11-17	NO REPORT NUMBER
N63-14855	11-05	NO REPORT NUMBER
N63-14856	11-29	ACIC-TR-98
N63-14857	11-13	AEDC-TDR-63-72
N63-14858	11-08	AFCRL-63-4
N63-14859	11-12	TM-18
N63-14860	11-07	ORD-600
N63-14861	11-29	NO REPORT NUMBER
N63-14862	11-23	R-410-PR
N63-14863	11-20	HW-75806
N63-14864	11-24	NBS-TN-164
N63-14865	11-20	RM-3551-PR
N63-14866	11-20	UTIA-88
N63-14867	11-20	ASD-TDR-62-686
N63-14868	11-25	RM-3560-PR
N63-14869	11-25	AFCRL-63-62
N63-14870	11-11	RM-3497-ARPA
N63-14871	11-02	NASA-TR-R-100
N63-14872	11-02	NASA-TR-R-101
N63-14873	11-24	NASA-TR-R-121
N63-14874	11-11	NO REPORT NUMBER
N63-14875	11-07	NO REPORT NUMBER
N63-14876		ACC. NO. NOT USED
N63-14877	11-19	WADD-TR-61-91, PT. II
N63-14878	11-30	APGC-TDR-63-22
N63-14879	11-07	WADD-TR-60-782, PT. VII
N63-14880	11-07	NO REPORT NUMBER
N63-14881	11-23	JPL-TR-32-427
N63-14882	11-18	ASD-TR-7-532A/V/
N63-14883	11-18	ASD-TR-7-532A/VI/
N63-14884	11-18	ASD-TR-7-532A/VII/
N63-14885	11-18	ASD-TR-7-532A/VIII/
N63-14886	11-18	ASD-TR-7-532A/1X/
N63-14887	11-16	USNRDL-TR-627
N63-14888	11-29	NO REPORT NUMBER
N63-14889	11-18	ASD-TDR-62-830
N63-14890	11-01	BNL-759/S-62/
N63-14891	11-19	C-646943
N63-14892	11-17	LA-2751
N63-14893	11-07	ASD-TDR-63-212
N63-14894	11-23	AVCO-EVERETT RES. REPT.-149
N63-14895	11-02	NO REPORT NUMBER
N63-14896	11-29	AMRL-TDR-62-129
N63-14897	11-11	NO REPORT NUMBER
N63-14898	11-20	SCR-501
N63-14899	11-07	NO REPORT NUMBER
N63-14900	11-15	N-106-210
N63-14901	11-05	NO REPORT NUMBER
N63-14902	11-29	JPL-SPS-37-19, VOL. VI
N63-14903		ACC. NO. NOT USED
N63-14904	11-26	WSS/CI PAPER-62-24
N63-14905	11-09	FTD-TT-61-149/1&2
N63-14906	11-09	NO REPORT NUMBER
N63-14907	11-09	NO REPORT NUMBER
N63-14908	11-09	NO REPORT NUMBER
N63-14909	11-09	NO REPORT NUMBER
N63-14910	11-09	NO REPORT NUMBER
N63-14911	11-09	NO REPORT NUMBER
N63-14912	11-09	NO REPORT NUMBER
N63-14913	11-09	NO REPORT NUMBER
N63-14914	11-21	NO REPORT NUMBER
N63-14915	11-21	NO REPORT NUMBER
N63-14916	11-21	NO REPORT NUMBER
N63-14917	11-21	NO REPORT NUMBER
N63-14918	11-21	NO REPORT NUMBER
N63-14919	11-21	NO REPORT NUMBER
N63-14920	11-21	NO REPORT NUMBER
N63-14921	11-03	CM-1034
N63-14922	11-16	NO REPORT NUMBER
N63-14923	11-07	ASD-TDR-62-915
N63-14924	11-23	WIS-TCI-12
N63-14925		ACC. NO. NOT USED
N63-14926	11-16	NRL-5814
N63-14927	11-16	NO REPORT NUMBER
N63-14928	11-16	NO REPORT NUMBER
N63-14929	11-16	NO REPORT NUMBER
N63-14930	11-16	NO REPORT NUMBER
N63-14931	11-16	NO REPORT NUMBER
N63-14932	11-16	NO REPORT NUMBER
N63-14933	11-16	NO REPORT NUMBER
N63-14934	11-16	NO REPORT NUMBER
N63-14935	11-16	NO REPORT NUMBER
N63-14936	11-16	NO REPORT NUMBER
N63-14937	11-16	NO REPORT NUMBER
N63-14938	11-16	NO REPORT NUMBER
N63-14939	11-16	NO REPORT NUMBER
N63-14940	11-16	NO REPORT NUMBER
N63-14941	11-07	NO REPORT NUMBER
N63-14942	11-15	NO REPORT NUMBER
N63-14943	11-29	NO REPORT NUMBER
N63-14944	11-07	NO REPORT NUMBER
N63-14945	11-20	MRC-269
N63-14946	11-15	C-646942
N63-14947	11-15	BNL-772/T-290/
N63-14948	11-15	NO REPORT NUMBER
N63-14949	11-15	NO REPORT NUMBER
N63-14950	11-09	USNRDL-TR-617
N63-14951	11-23	BNL-770/T-288/
N63-14952	11-23	NO REPORT NUMBER
N63-14953	11-08	CP-63-663
N63-14954	11-20	AFOSR-4490
N63-14955	11-08	NO REPORT NUMBER
N63-14956	11-19	NO REPORT NUMBER
N63-14957	11-01	SB-62-58
N63-14958	11-20	PMR-TM-63-3
N63-14959	11-11	NAA-SR-8171
N63-14960	11-02	ASRMDD-TM-62-32
N63-14961	11-01	IS-500
N63-14962	11-20	LAMS-2826
N63-14963	11-17	NAA-SR-7973
N63-14964	11-03	MIT-TR-397
N63-14965	11-20	MIT-TR-391
N63-14966	11-11	AAE-62-2
N63-14967	11-08	NBS-TN-167
N63-14968	11-12	NO REPORT NUMBER
N63-14969	11-34	ARL-TDR-63-9
N63-14970	11-15	NAA-SR-7752
N63-14971	11-27	ANL-6705
N63-14972	11-02	NASA-TR-R-146
N63-14973	11-15	NO REPORT NUMBER
N63-14974	11-12	NO REPORT NUMBER
N63-14975	11-23	NO REPORT NUMBER
N63-14976	11-09	NO REPORT NUMBER
N63-14977	11-20	Y-1400
N63-14978	11-15	AFCRL-63-290
N63-14979	11-23	NO REPORT NUMBER
N63-14980	11-07	RMD-2103-F
N63-14981	11-13	BMRI-5707
N63-14982	11-20	SB-62-50
N63-14983	11-34	NRL-5920
N63-14984	11-29	NO REPORT NUMBER
N63-14985	11-29	NO REPORT NUMBER
N63-14986	11-29	NO REPORT NUMBER
N63-14987	11-29	NO REPORT NUMBER
N63-14988	11-29	NO REPORT NUMBER
N63-14989	11-29	NO REPORT NUMBER
N63-14990	11-29	NO REPORT NUMBER
N63-14991	11-29	NO REPORT NUMBER
N63-14992	11-20	NO REPORT NUMBER
N63-14993	11-04	ASD-TDR-62-267
N63-14994	11-25	NO REPORT NUMBER
N63-14995	11-08	NRL-5717
N63-14996	11-09	AFCRL-63-61
N63-14997	11-24	MATT-151
N63-14998	11-24	MATT-161
N63-14999	11-24	MATT-175
N63-15000	11-10	NO REPORT NUMBER
N63-15001	11-13	BNL-756/C-35/
N63-15002	11-13	NO REPORT NUMBER

N63-15003	11-13	NO REPORT NUMBER
N63-15004	11-13	NO REPORT NUMBER
N63-15005	11-13	NO REPORT NUMBER
N63-15006	11-13	NO REPORT NUMBER
N63-15007	11-13	NO REPORT NUMBER
N63-15008	11-13	NO REPORT NUMBER
N63-15009	11-13	NO REPORT NUMBER
N63-15010	11-13	NO REPORT NUMBER
N63-15011	11-13	NO REPORT NUMBER
N63-15012	11-13	NO REPORT NUMBER
N63-15013	11-13	BNL-6142
N63-15014	11-13	NO REPORT NUMBER
N63-15015	11-13	NO REPORT NUMBER
N63-15016	11-13	NO REPORT NUMBER
N63-15017	11-13	NO REPORT NUMBER
N63-15018	11-13	NO REPORT NUMBER
N63-15019	11-13	NO REPORT NUMBER
N63-15020	11-13	NO REPORT NUMBER
N63-15021	11-13	NO REPORT NUMBER
N63-15022	11-13	NO REPORT NUMBER
N63-15023	11-13	NO REPORT NUMBER
N63-15024	11-13	BNL-6149
N63-15025	11-24	MATT-143
N63-15026	11-24	R62SD47
N63-15027	11-20	NO REPORT NUMBER
N63-15028	11-24	MATT-165
N63-15029	11-09	MDL-Q3
N63-15030	11-06	ASD-TDR-62-522
N63-15031	11-11	JPL-TR-32-366
N63-15032	11-17	NO REPORT NUMBER
N63-15033	11-11	NO REPORT NUMBER
N63-15034	11-17	ASD-TDR-62-323
N63-15035	11-26	NO REPORT NUMBER
N63-15036	11-15	MND-P-2835
N63-15037	11-16	NO REPORT NUMBER
N63-15038	11-23	RADC-TDR-63-15
N63-15039	11-29	NO REPORT NUMBER
N63-15040	11-20	AFCRL-62-573
N63-15041	11-16	NO REPORT NUMBER
N63-15042	11-21	NO REPORT NUMBER
N63-15043	11-25	WADD-TR-61-72, VOL. II
N63-15044	11-19	WADD-TR-61-72, VOL. VI
N63-15045	11-23	AFCRL-63-16
N63-15046	11-04	NA-62H-397
N63-15047	11-20	ORNL-3423
N63-15048	11-08	NO REPORT NUMBER
N63-15049	11-20	CETIS-58
N63-15050	11-04	NASA-TN-D-1634
N63-15051	11-13	NASA-TN-D-1635
N63-15052	11-29	NASA-TN-D-1655
N63-15053	11-15	NASA-TN-D-1714
N63-15054	11-18	DA-G36
N63-15055	11-32	NASA-TN-D-1747
N63-15056	11-22	NASA-TN-D-1777
N63-15057	11-19	FZK-147
N63-15058	11-15	NO REPORT NUMBER
N63-15059	11-11	PIBAL-765
N63-15060	11-19	NO REPORT NUMBER
N63-15061	11-08	JPL-TR-32-67
N63-15062	11-08	RADC-TDR-63-84
N63-15063	11-13	NO REPORT NUMBER
N63-15064	11-18	ASD-TDR-62-535
N63-15065	11-18	ASD-TR-61-436, PT. 1
N63-15066	11-09	NO REPORT NUMBER
N63-15067	11-25	AFCRL-63-1
N63-15068	11-16	USNRDL-TR-628
N63-15069	11-24	NO REPORT NUMBER
N63-15070	11-25	NO REPORT NUMBER
N63-15071	11-04	ERDA-9
N63-15072	11-26	DVL-226
N63-15073	11-18	WAL-TR-405/2
N63-15074	11-30	AFESD-TDR-62-117
N63-15075	11-27	NO REPORT NUMBER
N63-15076	11-16	ARL-TDR-63-10
N63-15077	11-05	NO REPORT NUMBER
N63-15078	11-05	NO REPORT NUMBER
N63-15079	11-05	NO REPORT NUMBER
N63-15080	11-05	NO REPORT NUMBER
N63-15081	11-05	NO REPORT NUMBER
N63-15082	11-05	NO REPORT NUMBER
N63-15083	11-05	NO REPORT NUMBER
N63-15084	11-05	NO REPORT NUMBER
N63-15085	11-32	SUI-63-6
N63-15086	11-28	SUI-63-7
N63-15087	11-27	ARS PAPER-2381-62
N63-15088	11-03	NO REPORT NUMBER
N63-15089	11-28	NO REPORT NUMBER
N63-15090	11-11	AFOSR-2981
N63-15091	11-28	NO REPORT NUMBER
N63-15092	11-15	UCRL-7165
N63-15093	11-23	UCRL-7262
N63-15094	11-18	NO REPORT NUMBER
N63-15095	11-24	RADC-TDR-62-616
N63-15096	11-18	NO REPORT NUMBER
N63-15097	11-09	RADC-TDR-62-470
N63-15098	11-08	RADC-TDR-63-7
N63-15099	11-34	NO REPORT NUMBER
N63-15100	11-17	NO REPORT NUMBER
N63-15101	11-18	UCRL-7184
N63-15102	11-13	ARL-63-3
N63-15103	11-20	KAPL-2165-1
N63-15104	11-25	AFCRL-63-12
N63-15105	11-24	AFCRL-63-17
N63-15106	11-08	AFCRL-63-40
N63-15107	11-32	AFCRL-63-56
N63-15108	11-09	NO REPORT NUMBER
N63-15109	11-11	NO REPORT NUMBER
N63-15110	11-07	NO REPORT NUMBER
N63-15111	11-25	NO REPORT NUMBER
N63-15112	11-11	CAL-QM-1626-A-7
N63-15113	11-10	AEDC-TDR-62-229
N63-15114	11-28	TID-7652, BK.1
N63-15115	11-28	NO REPORT NUMBER
N63-15116	11-28	NO REPORT NUMBER
N63-15117	11-28	NO REPORT NUMBER
N63-15118	11-28	NO REPORT NUMBER
N63-15119	11-28	NO REPORT NUMBER
N63-15120	11-28	NO REPORT NUMBER
N63-15121	11-28	NO REPORT NUMBER
N63-15122	11-28	NO REPORT NUMBER
N63-15123	11-06	NO REPORT NUMBER
N63-15124	11-25	NO REPORT NUMBER
N63-15125	11-10	NO REPORT NUMBER
N63-15126	11-25	NO REPORT NUMBER
N63-15127	11-25	NO REPORT NUMBER
N63-15128	11-06	NO REPORT NUMBER
N63-15129	11-32	NO REPORT NUMBER
N63-15130	11-16	NO REPORT NUMBER
N63-15131	11-16	NO REPORT NUMBER
N63-15132	11-28	NO REPORT NUMBER
N63-15133	11-16	NO REPORT NUMBER
N63-15134	11-16	NO REPORT NUMBER
N63-15135	11-16	NO REPORT NUMBER
N63-15136	11-28	NO REPORT NUMBER
N63-15137	11-16	NO REPORT NUMBER
N63-15138	11-28	TID-7652, BK. 2
N63-15139	11-23	NO REPORT NUMBER
N63-15140	11-23	NO REPORT NUMBER
N63-15141	11-32	NO REPORT NUMBER
N63-15142	11-16	NO REPORT NUMBER
N63-15143	11-28	NO REPORT NUMBER
N63-15144	11-16	NO REPORT NUMBER
N63-15145	11-16	NO REPORT NUMBER
N63-15146	11-32	NO REPORT NUMBER
N63-15147	11-32	NO REPORT NUMBER
N63-15148	11-32	NO REPORT NUMBER
N63-15149	11-28	NO REPORT NUMBER
N63-15150	11-28	NO REPORT NUMBER
N63-15151	11-20	NO REPORT NUMBER
N63-15152	11-32	NO REPORT NUMBER
N63-15153	11-32	NO REPORT NUMBER
N63-15154	11-34	NO REPORT NUMBER
N63-15155	11-32	NO REPORT NUMBER
N63-15156	11-32	NO REPORT NUMBER
N63-15157	11-32	NO REPORT NUMBER
N63-15158	11-28	NO REPORT NUMBER
N63-15159	11-16	NO REPORT NUMBER
N63-15160	11-07	NO REPORT NUMBER
N63-15161	11-25	AFCRL-62-917/1/
N63-15162	11-25	AFCRL-62-917/II/
N63-15163	11-25	AFCRL-62-917/III/
N63-15164	11-25	AFCRL-62-917/IV/
N63-15165	11-29	EP-63-678
N63-15166	11-32	NASA-SP-30
N63-15167	11-32	NO REPORT NUMBER
N63-15168	11-32	NO REPORT NUMBER
N63-15169	11-32	NO REPORT NUMBER
N63-15170	11-32	NO REPORT NUMBER
N63-15171	11-32	NO REPORT NUMBER
N63-15172	11-32	NO REPORT NUMBER
N63-15173	11-03	NO REPORT NUMBER
N63-15174	11-07	S-13876
N63-15175	11-08	PIBMRI-1076-62
N63-15176	11-11	AERODYNAMICS RES. REPT.-189
N63-15177	11-17	ASD-TR-7-678/III/
N63-15178	11-21	HAWAII INST. GEOPHYS. REPT.-27
N63-15179	11-18	ARF-2181-12
N63-15180	11-14	AMRL-TDR-62-150
N63-15181	11-26	CARDE-TN-1459/62
N63-15182	11-11	FTD-TT-62-333/1&2&4

N63-15183 11-02 ..... R63SD13
N63-15184 11-10 ..... NO REPORT NUMBER
N63-15185 11-23 ..... ANL-6679
N63-15186 11-25 ..... NO REPORT NUMBER
N63-15187 11-06 ..... NO REPORT NUMBER
N63-15188 11-06 ..... ASD-TDR-62-522, APPEND.
N63-15189 11-08 ..... NO REPORT NUMBER
N63-15190 11-20 ..... PIBMRI-1137-63
N63-15191 11-18 ..... NO REPORT NUMBER
N63-15192 11-26 ..... DVL-212
N63-15193 11-11 ..... DVL-240
N63-15194 11-24 ..... R63SD27
N63-15195 11-08 ..... RM-3478
N63-15196 11-15 ..... APGC-TDR-62-14
N63-15197 11-17 ..... IDO-16844
N63-15198 ..... ACC. NO. NOT USED
N63-15199 11-18 ..... WAL-TR-372/32-5, T-3
N63-15200 ..... ACC. NO. NOT USED
N63-15201 11-18 ..... GEMP-9A
N63-15202 11-16 ..... SAM-TDR-63-4
N63-15203 11-07 ..... CU-7470
N63-15204 ..... ACC. NO. NOT USED
N63-15205 11-32 ..... NO REPORT NUMBER
N63-15206 11-33 ..... WAPD-230
N63-15207 11-20 ..... NO REPORT NUMBER
N63-15208 11-33 ..... NO REPORT NUMBER
N63-15209 11-32 ..... NO REPORT NUMBER
N63-15210 11-32 ..... NO REPORT NUMBER
N63-15211 11-32 ..... NO REPORT NUMBER
N63-15212 11-23 ..... LA-2837
N63-15213 11-26 ..... EXP-328
N63-15214 11-33 ..... NO REPORT NUMBER
N63-15215 11-18 ..... NO REPORT NUMBER
N63-15216 11-11 ..... ERR-AN-244
N63-15217 11-05 ..... AFCRL-63-224
N63-15218 11-11 ..... ANL-6667
N63-15219 11-23 ..... LA-2834
N63-15220 11-20 ..... LAMS-2873
N63-15221 11-20 ..... PSR-13/1
N63-15222 11-10 ..... IDO-28597
N63-15223 11-29 ..... AFCRL-63-406
N63-15224 11-23 ..... SAM-TDR-63-18
N63-15225 11-20 ..... ARL-63-19
N63-15226 11-07 ..... NO REPORT NUMBER
N63-15227 11-04 ..... ARL-62-360, PT. 1
N63-15228 11-11 ..... DFL-202
N63-15229 11-26 ..... UCRL-10614
N63-15230 11-11 ..... BN-313
N63-15231 11-33 ..... TTRI-54
N63-15232 11-33 ..... TTRI-55
N63-15233 11-34 ..... TTRI-57
N63-15234 11-11 ..... NO REPORT NUMBER
N63-15235 11-03 ..... NASA-TN-D-1776
N63-15236 11-29 ..... NASA-TN-D-1780
N63-15237 11-06 ..... NASA-TT-F-78
N63-15238 11-23 ..... NASA-TT-F-152
N63-15239 11-33 ..... NO REPORT NUMBER
N63-15240 11-18 ..... NO REPORT NUMBER
N63-15241 11-14 ..... NASA-TN-D-1782
N63-15242 11-21 ..... SAD-79
N63-15243 11-32 ..... JPL-TR-32-325/REV./
N63-15244 11-32 ..... JPL-TR-32-384/REV./
N63-15245 12-20 ..... R-374-PR
N63-15246 12-19 ..... NO REPORT NUMBER
N63-15247 12-33 ..... GALCIT-SM-62-54
N63-15248 12-20 ..... NO REPORT NUMBER
N63-15249 12-17 ..... NO REPORT NUMBER
N63-15250 12-16 ..... NO REPORT NUMBER
N63-15251 12-29 ..... NO REPORT NUMBER
N63-15252 12-18 ..... NO REPORT NUMBER
N63-15253 12-18 ..... BATT-4673-T1
N63-15254 12-08 ..... RM-3561-PR
N63-15255 12-18 ..... ASD-TR-7-678/II/
N63-15256 12-08 ..... NO REPORT NUMBER
N63-15257 12-29 ..... NO REPORT NUMBER
N63-15258 12-16 ..... NO REPORT NUMBER
N63-15259 12-27 ..... NO REPORT NUMBER
N63-15260 12-33 ..... NO REPORT NUMBER
N63-15261 12-10 ..... WAPD-BT-28
N63-15262 12-23 ..... NO REPORT NUMBER
N63-15263 12-23 ..... NO REPORT NUMBER
N63-15264 12-23 ..... NO REPORT NUMBER
N63-15265 12-23 ..... NO REPORT NUMBER
N63-15266 12-19 ..... NO REPORT NUMBER
N63-15267 12-33 ..... NO REPORT NUMBER
N63-15268 12-24 ..... NO REPORT NUMBER
N63-15269 12-19 ..... WADC-TR-56-645, PT. VI
N63-15270 12-16 ..... NO REPORT NUMBER
N63-15271 12-07 ..... NO REPORT NUMBER
N63-15272 12-17 ..... NO REPORT NUMBER
N63-15273 12-23 ..... NO REPORT NUMBER
N63-15274 12-29 ..... NO REPORT NUMBER
N63-15275 12-16 ..... NO REPORT NUMBER
N63-15276 12-29 ..... NO REPORT NUMBER
N63-15277 12-08 ..... JPL-TR-32-39
N63-15278 12-20 ..... JPL-TR-32-2
N63-15279 12-18 ..... FA-R-162
N63-15280 12-07 ..... NO REPORT NUMBER
N63-15281 12-29 ..... JPL-TR-32-131
N63-15282 12-15 ..... AFCRL-63-23
N63-15283 12-15 ..... NO REPORT NUMBER
N63-15284 12-15 ..... NO REPORT NUMBER
N63-15285 ..... ACC. NO. NOT USED
N63-15286 12-28 ..... NO REPORT NUMBER
N63-15287 12-15 ..... NO REPORT NUMBER
N63-15288 12-23 ..... NO REPORT NUMBER
N63-15289 ..... ACC. NO. NOT USED
N63-15290 12-28 ..... CR-62
N63-15291 12-15 ..... NO REPORT NUMBER
N63-15292 12-29 ..... NO REPORT NUMBER
N63-15293 12-12 ..... NO REPORT NUMBER
N63-15294 12-23 ..... NO REPORT NUMBER
N63-15295 12-13 ..... NO REPORT NUMBER
N63-15296 12-08 ..... NO REPORT NUMBER
N63-15297 12-29 ..... NO REPORT NUMBER
N63-15298 12-23 ..... NO REPORT NUMBER
N63-15299 12-27 ..... NO REPORT NUMBER
N63-15300 12-26 ..... NO REPORT NUMBER
N63-15301 12-07 ..... NO REPORT NUMBER
N63-15302 12-30 ..... NASA-TN-D-1625
N63-15303 12-13 ..... NASA-TN-D-1520
N63-15304 12-29 ..... NASA-TN-D-1623
N63-15305 12-30 ..... NASA-TN-D-1624
N63-15306 12-29 ..... NASA-TN-D-1775
N63-15307 12-02 ..... NASA-TN-D-1786
N63-15308 12-02 ..... NASA-TN-D-1789
N63-15309 12-07 ..... NO REPORT NUMBER
N63-15310 12-23 ..... ARL-63-27
N63-15311 12-32 ..... NO REPORT NUMBER
N63-15312 12-04 ..... NO REPORT NUMBER
N63-15313 12-19 ..... WAL-TR-832/1-5
N63-15314 12-28 ..... NO REPORT NUMBER
N63-15315 12-07 ..... AFCRL-62-860
N63-15316 12-28 ..... NO REPORT NUMBER
N63-15317 12-20 ..... JPL-TR-32-394
N63-15318 12-22 ..... NO REPORT NUMBER
N63-15319 12-11 ..... UCRL-10640
N63-15320 12-29 ..... AMRL-TDR-62-124
N63-15321 12-29 ..... ARF-A200-4
N63-15322 12-29 ..... NASA-TN-D-1652
N63-15323 12-11 ..... NASA-TN-D-1894
N63-15324 12-08 ..... TR-EE-63-2
N63-15325 12-33 ..... ASD-TDR-63-221
N63-15326 12-11 ..... NO REPORT NUMBER
N63-15327 12-20 ..... RADC-TDR-63-87
N63-15328 12-20 ..... NAVTRADEVCEN-838-2
N63-15329 12-24 ..... NO REPORT NUMBER
N63-15330 12-34 ..... FRITZ ENG. LAB.-205H.6
N63-15331 12-24 ..... NO REPORT NUMBER
N63-15332 12-33 ..... FRITZ ENG. LAB.-297.3
N63-15333 12-33 ..... ASD-TR-61-725
N63-15334 12-11 ..... NO REPORT NUMBER
N63-15335 12-22 ..... ASD-TR-61-114, PT. II
N63-15336 12-25 ..... RADC-TDR-63-88
N63-15337 12-11 ..... NO REPORT NUMBER
N63-15338 12-11 ..... NO REPORT NUMBER
N63-15339 12-10 ..... TM-62-207
N63-15340 12-20 ..... AFCRL-62-31
N63-15341 12-13 ..... NO REPORT NUMBER
N63-15342 12-01 ..... NO REPORT NUMBER
N63-15343 12-11 ..... TRG-156-SR-2
N63-15344 12-11 ..... NO REPORT NUMBER
N63-15345 12-10 ..... NASA-TN-D-1621
N63-15346 12-21 ..... NASA-TN-D-1641
N63-15347 12-30 ..... NASA-TN-D-1643
N63-15348 12-07 ..... NO REPORT NUMBER
N63-15349 12-19 ..... FZK-152
N63-15350 12-01 ..... NO REPORT NUMBER
N63-15351 12-34 ..... NASA-TN-D-1525
N63-15352 12-27 ..... WAL-TR-766.41/3
N63-15353 12-04 ..... AMRL-TDR-63-11
N63-15354 12-07 ..... NO REPORT NUMBER
N63-15355 12-16 ..... AMRL-TDR-63-16
N63-15356 12-16 ..... AMRL-TDR-62-139
N63-15357 12-01 ..... NASA-SP-29
N63-15358 12-28 ..... NO REPORT NUMBER
N63-15359 12-11 ..... NO REPORT NUMBER
N63-15360 12-28 ..... NO REPORT NUMBER
N63-15361 12-15 ..... AFCRL-63-254
N63-15362 12-19 ..... RDR-1266-7

N63-15363	12-20	AFCRL-63-28
N63-15364	12-20	AFCRL-63-89
N63-15365	12-18	HW-76952
N63-15366	12-18	NRL-5776
N63-15367	12-10	AMRL-TDR-63-17
N63-15368	12-08	CSIR-T-26
N63-15369	12-26	BBE63-002
N63-15370	12-01	BRL-1192
N63-15371	12-07	CCL-138
N63-15372	12-19	ASD-TDR-62-731
N63-15373	12-20	WAPD-TM-365
N63-15374	12-15	DP-792
N63-15375	12-23	ANL-6685
N63-15376	12-10	AT-7
N63-15377	12-27	NO REPORT NUMBER
N63-15378	12-18	BM-RI-6224
N63-15379	12-24	AVCO-EVERETT RES. REPT.-148
N63-15380	12-18	NO REPORT NUMBER
N63-15381	12-23	PNE-114F
N63-15382	12-14	NO REPORT NUMBER
N63-15383	12-18	WAL-TR-111.2/20-1
N63-15384	12-24	LNF-63/6
N63-15385	12-09	RAL-TM-63-5
N63-15386	12-20	NO REPORT NUMBER
N63-15387	12-20	NO REPORT NUMBER
N63-15388	12-11	ER-5214
N63-15389	12-03	NASA-TN-D-1640
N63-15390	12-34	NSL-63-53
N63-15391	12-23	NO REPORT NUMBER
N63-15392	12-11	SCTM-71-63/24/
N63-15393	12-34	NASA-TN-D-1918
N63-15394	12-12	AFCRL-63-429
N63-15395	12-10	NO REPORT NUMBER
N63-15396	12-10	NO REPORT NUMBER
N63-15397	12-18	NO REPORT NUMBER
N63-15398	12-18	BM-RI-6228
N63-15399	12-22	BRL-MR-1451
N63-15400	12-27	RR-TR-62-7
N63-15401	12-19	NO REPORT NUMBER
N63-15402	12-18	NAMC-AML-1319
N63-15403	12-18	EUR-203.F
N63-15404	12-18	KAPL-2252
N63-15405	12-16	ARL-TDR-62-20
N63-15406	12-24	NO REPORT NUMBER
N63-15407	12-26	NO REPORT NUMBER
N63-15408	12-19	T&AM-242
N63-15409	12-17	DP-820
N63-15410	12-10	KAPL-2217
N63-15411	12-18	NO REPORT NUMBER
N63-15412	12-32	NO REPORT NUMBER
N63-15413	12-25	AFOSR-2251
N63-15414	12-07	NO REPORT NUMBER
N63-15415	12-32	NAA-SR-8127
N63-15416	12-07	ROC/LIN-8Q
N63-15417	12-18	NO REPORT NUMBER
N63-15418	12-20	AAE-63-1
N63-15419	12-08	NO REPORT NUMBER
N63-15420	12-17	WAL-TR-142.5/2-1
N63-15421	12-20	NASA-TN-D-1859
N63-15422	12-19	ASD-TDR-62-225
N63-15423	12-24	IPPJ-2
N63-15424	12-04	TDM-W-11,774, REV. 1
N63-15425	12-08	NO REPORT NUMBER
N63-15426	12-08	NO REPORT NUMBER
N63-15427	12-11	NO REPORT NUMBER
N63-15428	12-21	NO REPORT NUMBER
N63-15429	12-26	CAL-HM-1510-Y-/1/
N63-15430	12-32	NO REPORT NUMBER
N63-15431	12-18	ASD-TDR-61-529
N63-15432	12-03	NO REPORT NUMBER
N63-15433	12-15	AFCRL-62-953
N63-15434	12-01	HR-11040
N63-15435	12-29	RAE-TRANS-1024
N63-15436	12-18	NO REPORT NUMBER
N63-15437	12-08	PIBMRI-1128-63
N63-15438	12-33	K-213
N63-15439	12-25	RAD-TR-63-9
N63-15440	12-07	UTC-2002-FR
N63-15441	12-07	ORNL-3417
N63-15442	12-23	LNF-62/108
N63-15443	12-08	NO REPORT NUMBER
N63-15444	12-12	GCA-TR-62-4-G
N63-15445	12-28	EFINS-63-18
N63-15446	12-23	UCRL-7061
N63-15447	12-14	AMRL-TDR-63-6
N63-15448	12-16	AMRL-TDR-63-4
N63-15449	12-09	LNF-63/1
N63-15450	12-23	LNF-63/5
N63-15451	12-07	JPL-TR-32-369
N63-15452	12-05	JPL-TR-32-356
N63-15453	12-25	NO REPORT NUMBER
N63-15454	12-32	NO REPORT NUMBER
N63-15455	12-11	NO REPORT NUMBER
N63-15456	12-18	WAL-TR-129.1/1
N63-15457	12-25	NO REPORT NUMBER
N63-15458	12-01	PNE-205F
N63-15459	12-18	WAL-TR-320.1/9
N63-15460	12-20	RM-3129-PR
N63-15461	12-23	TN-80
N63-15462	12-13	NO REPORT NUMBER
N63-15463	12-18	ESRD-13-10
N63-15464	12-23	SCR-483
N63-15465	12-18	WADD-TR-60-746, PT. II
N63-15466	12-19	AERE-M-599
N63-15467	12-14	MRL-TDR-62-78
N63-15468	12-18	WAL-TR-340.2/1
N63-15469	12-24	NO REPORT NUMBER
N63-15470	12-05	NO REPORT NUMBER
N63-15471	12-13	NASA-TN-D-1196
N63-15472	12-24	NASA-TN-D-1636
N63-15473	12-30	NASA-TN-D-1772
N63-15474	12-15	LNF-63/2
N63-15475	12-11	NO REPORT NUMBER
N63-15476	12-24	MATT-157
N63-15477	12-24	MATT-168
N63-15478	12-24	MATT-170
N63-15479	12-18	SB-63-5
N63-15480	12-09	AFCRL-63-67
N63-15481	12-19	RDR-1343-1
N63-15482	12-07	AROD-2289-4
N63-15483	12-11	AROD-1948-2
N63-15484	12-11	AEDC-TDR-63-94
N63-15485		ACC. NO. NOT USED
N63-15486	12-23	UCRL-7280
N63-15487	12-23	UCRL-10609
N63-15488	12-24	UCRL-10631
N63-15489	12-15	ORO-490
N63-15490	12-16	AEC-TR-5500
N63-15491	12-16	AEC-TR-5579
N63-15492	12-09	AFCRL-63-447
N63-15493	12-17	NO REPORT NUMBER
N63-15494	12-18	ASD-TR-61-713
N63-15495	12-07	NO REPORT NUMBER
N63-15496	12-16	AMRL-TDR-63-14
N63-15497	12-23	GEAP-4018
N63-15498	12-33	ME-3
N63-15499	12-07	ARF-3227-3
N63-15500	12-20	R-159
N63-15501	12-24	NASA-TN-D-1783
N63-15502	12-13	TID-7658
N63-15503	12-24	IPPJ-5
N63-15504	12-32	NO REPORT NUMBER
N63-15505	12-29	NO REPORT NUMBER
N63-15506	12-29	NO REPORT NUMBER
N63-15507	12-13	NASA-TN-D-1628
N63-15508	12-17	ASD-TDR-62-78
N63-15509	12-11	NASA-TN-D-1870
N63-15510	12-16	NASA-TT-F-157
N63-15511	12-16	NASA-TT-F-163
N63-15512	12-18	BM-RI-6231
N63-15513	12-09	TR-975, SUP. 1
N63-15514	12-05	NO REPORT NUMBER
N63-15515	12-18	SPS-730
N63-15516	12-32	NO REPORT NUMBER
N63-15517	12-18	Y-1413
N63-15518	12-16	USNRDL-TR-624
N63-15519	12-07	PA-TM-1167
N63-15520	12-11	PR-103-P
N63-15521	12-11	DI-82-0224
N63-15522	12-20	AEC-TR-5204
N63-15523	12-20	NO REPORT NUMBER
N63-15524	12-07	ASD-TDR-63-65
N63-15525	12-31	HR-1959
N63-15526	12-04	NASA-TN-D-1773
N63-15527	12-02	NASA-TN-D-1781
N63-15528	12-11	AGARD-132-147
N63-15529	12-07	T63-8-1
N63-15530	12-15	NO REPORT NUMBER
N63-15531	12-23	BMI-1623
N63-15532	12-21	HW-70892
N63-15533	12-32	NO REPORT NUMBER
N63-15534	12-18	NO REPORT NUMBER
N63-15535	12-32	NO REPORT NUMBER
N63-15536	12-11	AFCRL-63-238
N63-15537	12-09	LNF-63/17
N63-15538	12-09	ANL-6700
N63-15539	12-10	USNRDL-TR-623
N63-15540	12-18	IDO-14598
N63-15541	12-10	IDO-16845
N63-15542	12-07	IDO-16851

N63-15543	12-23	UNC-5014, VOL. A
N63-15544	12-25	UNC-5014, VOL. B
N63-15545	12-18	ASD-TR-61-436, PT. II
N63-15546	12-27	NO REPORT NUMBER
N63-15547	12-30	NO REPORT NUMBER
N63-15548	12-17	NO REPORT NUMBER
N63-15549	12-18	ARL-63-15
N63-15550	12-10	LA-2808
N63-15551	12-15	NBL-194
N63-15552	12-18	HW-71023
N63-15553	12-28	IGY SOLAR ACT. REPT. SER.-22
N63-15554	12-32	RAE-TRANS-1029
N63-15555	12-07	RAE-TRANS-1030
N63-15556	12-18	DP-813
N63-15557	12-15	DP-814
N63-15558	12-17	MLM-1145
N63-15559	12-09	HW-74783
N63-15560	12-16	USNRDL-TR-630
N63-15561	12-11	NASA-TN-D-1728
N63-15562	12-10	NASA-TN-D-1797
N63-15563	12-10	NASA-TN-D-1888
N63-15564	12-14	HUMRRO-TR-83
N63-15565	12-23	LNF-63/11
N63-15566	12-18	NBS-TN-187
N63-15567	12-15	AFSWC-TDR-63-3
N63-15568	12-25	LNF-62/113
N63-15569	12-23	LNF-63/16
N63-15570	12-32	RM-3595-PR
N63-15571	12-14	AMRL-TDR-63-1
N63-15572	12-23	LNF-62/99
N63-15573	12-23	LNF-63/19
N63-15574		ACC. NO. NOT USED
N63-15575	12-20	ARL-63-18
N63-15576	12-26	TG-371-4B
N63-15577	12-26	NO REPORT NUMBER
N63-15578	12-26	NO REPORT NUMBER
N63-15579	12-26	NO REPORT NUMBER
N63-15580	12-26	NO REPORT NUMBER
N63-15581	12-26	NO REPORT NUMBER
N63-15582	12-26	NO REPORT NUMBER
N63-15583	12-26	NO REPORT NUMBER
N63-15584	12-26	NO REPORT NUMBER
N63-15585	12-26	NO REPORT NUMBER
N63-15586	12-26	NO REPORT NUMBER
N63-15587	12-26	NO REPORT NUMBER
N63-15588	12-26	NO REPORT NUMBER
N63-15589	12-26	NO REPORT NUMBER
N63-15590	12-26	NO REPORT NUMBER
N63-15591	12-26	NO REPORT NUMBER
N63-15592	12-26	NO REPORT NUMBER
N63-15593	12-26	NO REPORT NUMBER
N63-15594	12-26	NO REPORT NUMBER
N63-15595	12-26	NO REPORT NUMBER
N63-15596	12-26	NO REPORT NUMBER
N63-15597	12-26	NO REPORT NUMBER
N63-15598	12-26	NO REPORT NUMBER
N63-15599	12-26	NO REPORT NUMBER
N63-15600	12-15	ANIP-6-30-62
N63-15601	12-10	SM-41379
N63-15602	12-11	SM-41379-1
N63-15603	12-13	SM-41379-2
N63-15604	12-26	SM-41379-3
N63-15605	12-10	SM-41379-4
N63-15606	12-10	SM-41379-5
N63-15607	12-10	SM-41379-6
N63-15608	12-10	SM-41379-7
N63-15609	12-10	SM-41379-8
N63-15610	12-10	SM-41379-9
N63-15611	12-07	NO REPORT NUMBER
N63-15612	12-19	WAL-TR-811.6/1
N63-15613	12-10	ARL-63-1
N63-15614	12-25	UCRL-10649
N63-15615	12-05	NO REPORT NUMBER
N63-15616	12-28	NO REPORT NUMBER
N63-15617	12-11	GASL-TM-76-A
N63-15618	12-15	IDO-12029
N63-15619	12-32	NO REPORT NUMBER
N63-15620	12-16	AMRL-TDR-63-10
N63-15621	12-14	AMRL-TDR-63-12
N63-15622	12-07	PA-TR-3046
N63-15623	12-33	NO REPORT NUMBER
N63-15624	12-33	NO REPORT NUMBER
N63-15625	12-18	WAL TR 320.1/10
N63-15626	12-01	ASD-TDR-63-119
N63-15627	12-09	NO REPORT NUMBER
N63-15628	12-09	NO REPORT NUMBER
N63-15629	12-09	NO REPORT NUMBER
N63-15630	12-29	NO REPORT NUMBER
N63-15631	12-09	NO REPORT NUMBER
N63-15632	12-09	NO REPORT NUMBER
N63-15633	12-20	NO REPORT NUMBER
N63-15634	12-09	NO REPORT NUMBER
N63-15635	12-30	NO REPORT NUMBER
N63-15636	12-09	NO REPORT NUMBER
N63-15637	12-09	NO REPORT NUMBER
N63-15638	12-09	NO REPORT NUMBER
N63-15639	12-20	NO REPORT NUMBER
N63-15640	12-20	NO REPORT NUMBER
N63-15641	12-20	NO REPORT NUMBER
N63-15642	12-20	NO REPORT NUMBER
N63-15643	12-20	NO REPORT NUMBER
N63-15644	12-19	NO REPORT NUMBER
N63-15645	12-18	BM-RI-621
N63-15646	12-16	AMRL-TDR-63-
N63-15647	12-20	CETIS-33
N63-15648	12-07	EUR-204.
N63-15649	12-13	EUR-237.
N63-15650	12-18	NO REPORT NUMBER
N63-15651	12-13	NO REPORT NUMBER
N63-15652	12-33	NO REPORT NUMBER
N63-15653		ACC. NO. NOT USED
N63-15654	12-01	UCRL-7166
N63-15655	12-19	PLASTEC NOTE-
N63-15656	12-12	NO REPORT NUMBER
N63-15657	12-08	RADC-TDR-63-95
N63-15658	12-16	FTD-TT-62-1619/1&
N63-15659	12-25	AFCRL-63-55
N63-15660	12-15	NOLC-TM-43-11
N63-15661	12-24	IPPJ-
N63-15662	12-13	FTD-TT-62-135/1&
N63-15663	12-15	AFCRL-63-20
N63-15664	12-19	WADC-TR-56-645, PT. VI
N63-15665	12-16	RM-3541-PR
N63-15666	12-16	ARL-TDR-63-
N63-15667	12-27	WAL-TR-766.41/2-
N63-15668	12-15	USNRDL-TR-62
N63-15669	12-08	RADC-TDR-63-11
N63-15670	12-01	AGARD 163-17
N63-15671	12-09	AFCRL-62-93
N63-15672	12-24	AFCRL-63-4
N63-15673	12-08	BRL-118
N63-15674	12-09	HW-7104
N63-15675	12-17	HW-7664
N63-15676	12-24	AFCRL-63-2
N63-15677	12-02	ONERA-TN-6
N63-15678	12-23	AFCRL-62-109
N63-15679	12-33	NO REPORT NUMBER
N63-15680	12-09	ASD-TR-61-27
N63-15681	12-27	NO REPORT NUMBER
N63-15682	12-27	DM 62-12
N63-15683	12-09	RADC-TDR-63-8
N63-15684	12-17	NO REPORT NUMBER
N63-15685	12-24	AFCRL-63-8
N63-15686	12-26	PIBAL-77
N63-15687	12-28	EK/ARD-ED-87
N63-15688	12-09	AFCRL-62-31
N63-15689	12-18	ASD-TDR-62-100
N63-15690	12-09	AFCRL-62-52
N63-15691	12-20	NO REPORT NUMBER
N63-15692	12-12	NASA-TN-D-157
N63-15693	12-11	NASA-TN-D-157
N63-15694	12-31	NASA-TN-D-163
N63-15695	12-27	NASA-TN-D-166
N63-15696	12-08	PCE-R-9854A
N63-15697	12-11	ARL-63-24
N63-15698	12-04	RF-TR-63-7
N63-15699	12-11	NO REPORT NUMBER
N63-15700	12-25	JPRS-17351
N63-15701	12-09	EUR-263.D
N63-15702	12-20	RM-3367-PR
N63-15703	12-20	MRC-394
N63-15704	12-13	NO REPORT NUMBER
N63-15705	12-07	DCAS-TDR-62-19
N63-15706	12-05	NO REPORT NUMBER
N63-15707	12-16	CP-63-693
N63-15708	12-01	NO REPORT NUMBER
N63-15709	12-11	ARL-63-26
N63-15710	12-18	ASD-TDR-62-8
N63-15711	12-06	ASD-TDR-63-115
N63-15712	12-20	NO REPORT NUMBER
N63-15713	12-33	ASD-TDR-62-102
N63-15714	12-25	RADC-TDR-63-82
N63-15715	12-18	ASD-TR-61-203, PT. I
N63-15716	12-17	NO REPORT NUMBER
N63-15717	12-09	NAVWEPS-8144
N63-15718		ACC. NO. NOT USED
N63-15719	12-21	RR-TR-63-7
N63-15720		ACC. NO. NOT USED
N63-15721	12-18	HW-69680
N63-15722	12-23	HW-68525

N63-15723	12-18	BM-RI-6230
N63-15724	12-12	AFCRL-63-285
N63-15725	12-10	RE-162
N63-15726	12-18	JPL-TR-32-371
N63-15727	12-23	NO REPORT NUMBER
N63-15728	12-23	NO REPORT NUMBER
N63-15729		ACC. NO. NOT USED
N63-15730	12-18	USBM-U-1031
N63-15731	12-18	AMRA-CR-63-02/1/F/
N63-15732	12-18	ARL/MET-45
N63-15733	12-01	RM-3074-PR
N63-15734	12-32	RAE-TN-SPACE-23
N63-15735	12-26	RTD-TDR-63-1033
N63-15736	12-05	NO REPORT NUMBER
N63-15737	12-23	AROD-3309-2
N63-15738	12-09	ASD-TR-61-631
N63-15739	12-17	ONERA-TN-71
N63-15740	12-33	ONERA-TN-72
N63-15741	12-24	AFCRL-63-446
N63-15742	12-03	ARC-R&M-3298
N63-15743	12-03	ARC-R&M-3304
N63-15744	12-03	ARC-R&M-3307
N63-15745	12-25	R-161
N63-15746	12-07	NO REPORT NUMBER
N63-15747	12-25	MATT-167
N63-15748	12-28	NO REPORT NUMBER
N63-15749	12-18	NO REPORT NUMBER
N63-15750	12-18	ASD-TDR-62-1018
N63-15751	12-23	NO REPORT NUMBER
N63-15752	12-20	SB-62-54
N63-15753	12-02	DI-88-0232
N63-15754	12-18	WADD-TR-60-143, PT. IV
N63-15755	12-18	GEMP-21A
N63-15756	12-18	GEMP-177A
N63-15757	12-30	DAMP-TM-62-27
N63-15758	12-10	AD-282393DRCL-370
N63-15759	12-11	NO REPORT NUMBER
N63-15760	12-17	WAL-TR-766.2/3-2
N63-15761	12-11	NO REPORT NUMBER
N63-15762	12-11	NASA-TR-R-22
N63-15763		ACC. NO. NOT USED
N63-15764	13-16	USNRDL-TR-634
N63-15765	13-33	NASA-TN-D-1446
N63-15766	13-27	NASA-TN-D-1657
N63-15767	13-27	NASA-TN-D-1665
N63-15768	13-11	NASA-TN-D-1703
N63-15769	13-17	NASA-TN-D-1708
N63-15770	13-06	NASA-TN-D-1710
N63-15771	13-03	NASA-TN-D-1774
N63-15772	13-18	NASA-TN-D-1784
N63-15773	13-26	NASA-TN-D-1787
N63-15774	13-04	NASA-TN-D-1801
N63-15775	13-30	NASA-TN-D-1895
N63-15776	13-14	NASA-TN-D-1897
N63-15777	13-33	NASA-TN-D-1919
N63-15778	13-34	NASA-TN-D-1920
N63-15779	13-31	NASA-TN-D-1639
N63-15780	13-10	LAMS-2894
N63-15781	13-11	MF-35
N63-15782	13-23	AFCRL-63-262
N63-15783	13-08	NO REPORT NUMBER
N63-15784	13-13	CAL-QM-1626-A-2
N63-15785	13-17	MTI-63TR15
N63-15786	13-23	NO REPORT NUMBER
N63-15787	13-21	NO REPORT NUMBER
N63-15788	13-09	SMIR-63-1
N63-15789	13-08	NO REPORT NUMBER
N63-15790	13-18	BMI-1626
N63-15791	13-12	NO REPORT NUMBER
N63-15792	13-25	TR-62-255.3
N63-15793	13-14	ER-12838
N63-15794	13-23	C-16
N63-15795	13-33	NO REPORT NUMBER
N63-15796	13-01	NO REPORT NUMBER
N63-15797	13-17	WADD-TR-60-787, PT. II
N63-15798	13-21	NO REPORT NUMBER
N63-15799	13-16	NO REPORT NUMBER
N63-15800	13-29	PIR-7250-26A
N63-15801	13-25	NO REPORT NUMBER
N63-15802	13-25	NOLTR-62-125
N63-15803	13-05	NO REPORT NUMBER
N63-15804	13-10	SS-1211
N63-15805	13-29	NO REPORT NUMBER
N63-15806	13-33	ASD-TDR-62-186
N63-15807	13-11	ASD-TDR-62-962
N63-15808	13-07	ASD-TDR-62-1067
N63-15809	13-02	SM-62-50
N63-15810	13-23	SLAC-13
N63-15811	13-01	NO REPORT NUMBER
N63-15812	13-01	AROD-2776-11
N63-15813	13-11	DVL-251
N63-15814	13-01	NO REPORT NUMBER
N63-15815	13-20	NO REPORT NUMBER
N63-15816	13-09	AFCRL-62-583
N63-15817	13-07	AROD-007-15
N63-15818	13-07	PIBMRI-1104-62
N63-15819	13-12	NO REPORT NUMBER
N63-15820	13-26	NO REPORT NUMBER
N63-15821	13-20	SP-372/001/01
N63-15822	13-07	NO REPORT NUMBER
N63-15823	13-23	BAW-1266
N63-15824	13-20	ARL-63-33
N63-15825	13-09	LMSC-6-90-63-29
N63-15826	13-25	AFCRL-63-454
N63-15827	13-33	ASD-TDR-62-379
N63-15828		ACC. NO. NOT USED
N63-15829	13-25	RADC-TDR-62-601
N63-15830	13-07	ASD-TR-7-995/11/
N63-15831	13-18	AMC-TR-7-866/III/
N63-15832	13-25	AFCRL-62-534
N63-15833	13-04	ARC-R&M-3314
N63-15834		ACC. NO. NOT USED
N63-15835	13-01	DASA-1357/1/
N63-15836	13-26	NO REPORT NUMBER
N63-15837		ACC. NO. NOT USED
N63-15838	13-18	ASD-TDR-62-710
N63-15839	13-33	ASD-TDR-61-338
N63-15840	13-20	CIT-ORD-16-TR8
N63-15841	13-07	NAS-NS-3107
N63-15842	13-09	ML-945
N63-15843	13-07	ROC/LIN-70
N63-15844	13-07	NOLTR-63-10
N63-15845		ACC. NO. NOT USED
N63-15846	13-16	NO REPORT NUMBER
N63-15847	13-16	SAM-TDR-63-20
N63-15848	13-23	NO REPORT NUMBER
N63-15849	13-16	NO REPORT NUMBER
N63-15850	13-23	NO REPORT NUMBER
N63-15851	13-25	NO REPORT NUMBER
N63-15852	13-29	NO REPORT NUMBER
N63-15853	13-11	A&ES-62-17
N63-15854	13-18	WAL-TR-311.1/1
N63-15855	13-12	NO REPORT NUMBER
N63-15856	13-23	DVL-250
N63-15857	13-23	LNF-63/18
N63-15858	13-18	ASD-TDR-62-99
N63-15859	13-17	MTI-63TR13
N63-15860	13-34	LR-16654
N63-15861	13-08	RAD-TR-63-15
N63-15862	13-17	NASA-SP-501
N63-15863	13-20	LPC-556-M-1
N63-15864	13-01	SP-216
N63-15865	13-07	NO REPORT NUMBER
N63-15866	13-15	REIC-25
N63-15867	13-24	IPPJ-6
N63-15868	13-24	IPPJ-8
N63-15869	13-12	RPU-S-10
N63-15870	13-18	ARL/SM-287
N63-15871	13-24	TDR-930/2210-02/TN-1
N63-15872	13-01	NO REPORT NUMBER
N63-15873	13-32	NO REPORT NUMBER
N63-15874	13-01	NO REPORT NUMBER
N63-15875	13-25	NO REPORT NUMBER
N63-15876	13-07	NO REPORT NUMBER
N63-15877	13-07	NO REPORT NUMBER
N63-15878	13-18	ASD-TR-61-313, PT. II
N63-15879	13-33	ASD-TDR-62-165, VOL. II
N63-15880	13-18	ASD-TDR-62-203, PT. II
N63-15881	13-18	ASD-TDR-63-296
N63-15882	13-11	ASD-TDR-62-792, VOL. II
N63-15883	13-17	NO REPORT NUMBER
N63-15884	13-10	PMR-MP-60-7
N63-15885	13-16	SAM-TDR-63-17
N63-15886	13-09	IDO-16809
N63-15887	13-10	IDO-16850
N63-15888	13-16	NO REPORT NUMBER
N63-15889	13-23	UCRL-10703
N63-15890	13-28	AFCRL-63-401
N63-15891	13-19	NOTS-TP-2936
N63-15892	13-09	NO REPORT NUMBER
N63-15893	13-26	P-62-27
N63-15894	13-26	NO REPORT NUMBER
N63-15895	13-26	NO REPORT NUMBER
N63-15896	13-12	RM-3585-PR
N63-15897	13-17	RIA-63-959
N63-15898	13-13	TIL/T-5388
N63-15899	13-17	PA-TM-1170
N63-15900	13-11	ARAP-50
N63-15901	13-04	NO REPORT NUMBER
N63-15902	13-14	R-5135

N63-15903	13-16	SAM-TDR-62-139
N63-15904	13-25	FTD-TT-62-414/144
N63-15905	13-27	NAA-SR-7085
N63-15906		ACC. NO. NOT USED
N63-15907	13-25	NO REPORT NUMBER
N63-15908	13-20	SP-373/000/01
N63-15909	13-20	MRC-383
N63-15910	13-20	MRC-387
N63-15911	13-27	WAL-TR-465.54/4
N63-15912	13-33	CVC-2-53420/2R400
N63-15913	13-33	CVC-2-53420/3R411
N63-15914	13-33	CVC-2-53420/3R436
N63-15915	13-29	JPL-TM-33-72
N63-15916	13-22	NO REPORT NUMBER
N63-15917	13-07	R-5077
N63-15918	13-23	LA-2805
N63-15919	13-10	NO REPORT NUMBER
N63-15920	13-29	TDR-930/2352/TR-1
N63-15921	13-24	RADC-TDR-63-138
N63-15922	13-03	NASA-TN-D-1884
N63-15923	13-27	DTMB-1456
N63-15924	13-22	NO REPORT NUMBER
N63-15925	13-16	GATC-MR-1163-50
N63-15926	13-18	NO REPORT NUMBER
N63-15927	13-17	NO REPORT NUMBER
N63-15928	13-07	NO REPORT NUMBER
N63-15929	13-25	LA-2880
N63-15930		ACC. NO. NOT USED
N63-15931	13-32	JPL-TR-32-402
N63-15932	13-33	GALCIT-SM-63-2
N63-15933	13-07	NO REPORT NUMBER
N63-15934	13-33	GEMP-186
N63-15935	13-24	EFINS-63-16
N63-15936	13-29	CRSR-138
N63-15937	13-10	ANL-6411
N63-15938	13-24	MRC-388
N63-15939	13-20	MRC-391
N63-15940	13-18	ASD-TDR-62-968
N63-15941	13-02	BRL-1193
N63-15942	13-27	NO REPORT NUMBER
N63-15943	13-12	NO REPORT NUMBER
N63-15944	13-28	CR-61
N63-15945	13-08	CAL-GM-1580-G-101
N63-15946	13-04	MIT-AL-TR-29
N63-15947	13-14	SAM-TDR-62-135
N63-15948	13-12	RM-3204-PR
N63-15949	13-10	ERDA-20
N63-15950	13-07	PA-TR-3055
N63-15951	13-18	OTS-51084
N63-15952	13-07	AFCRL-63-426
N63-15953	13-23	MRC-386
N63-15954	13-26	NASA-TN-D-1736
N63-15955	13-17	WAL-TR-142.5/1-3
N63-15956	13-20	ACORN-23
N63-15957	13-15	NASA-TN-D-1704
N63-15958	13-21	NO REPORT NUMBER
N63-15959	13-15	NO REPORT NUMBER
N63-15960	13-20	LMSC-6-90-62-116
N63-15961	13-33	ASD-TDR-63-267
N63-15962	13-04	DFL-167
N63-15963	13-11	PIBAL-756
N63-15964	13-28	IGY SOLAR ACT. REPT.-21
N63-15965	13-26	BMI-1619/DEL./
N63-15966	13-14	NO REPORT NUMBER
N63-15967	13-08	AFCRL-63-87
N63-15968	13-33	PIBAL-663
N63-15969	13-17	BMI-1627
N63-15970	13-23	LAMS-2642
N63-15971	13-10	EOS-1860-Q-4
N63-15972	13-20	NYO-10425
N63-15973	13-08	AFESD-TDR-62-116
N63-15974	13-18	WAL-TR-834.12/2-1
N63-15975	13-26	NO REPORT NUMBER
N63-15976	13-01	NO REPORT NUMBER
N63-15977	13-31	NO REPORT NUMBER
N63-15978	13-10	NO REPORT NUMBER
N63-15979	13-30	NO REPORT NUMBER
N63-15980	13-31	NO REPORT NUMBER
N63-15981	13-10	NO REPORT NUMBER
N63-15982	13-10	NO REPORT NUMBER
N63-15983	13-29	NO REPORT NUMBER
N63-15984	13-31	NO REPORT NUMBER
N63-15985	13-32	NO REPORT NUMBER
N63-15986	13-32	NO REPORT NUMBER
N63-15987	13-30	NO REPORT NUMBER
N63-15988	13-13	NO REPORT NUMBER
N63-15989	13-27	NO REPORT NUMBER
N63-15990	13-30	NO REPORT NUMBER
N63-15991	13-27	NO REPORT NUMBER
N63-15992	13-27	NO REPORT NUMBER
N63-15993	13-27	NO REPORT NUMBER
N63-15994	13-22	NO REPORT NUMBER
N63-15995	13-06	NO REPORT NUMBER
N63-15996	13-10	NO REPORT NUMBER
N63-15997	13-17	NO REPORT NUMBER
N63-15998	13-08	NO REPORT NUMBER
N63-15999	13-08	NO REPORT NUMBER
N63-16000	13-17	NO REPORT NUMBER
N63-16001	13-15	NO REPORT NUMBER
N63-16002	13-08	NO REPORT NUMBER
N63-16003	13-17	NO REPORT NUMBER
N63-16004	13-30	NO REPORT NUMBER
N63-16005	13-06	NO REPORT NUMBER
N63-16006	13-01	NO REPORT NUMBER
N63-16007	13-23	NO REPORT NUMBER
N63-16008	13-15	NO REPORT NUMBER
N63-16009	13-28	NO REPORT NUMBER
N63-16010	13-32	NO REPORT NUMBER
N63-16011	13-10	NO REPORT NUMBER
N63-16012	13-14	NO REPORT NUMBER
N63-16013	13-16	NO REPORT NUMBER
N63-16014	13-29	NO REPORT NUMBER
N63-16015	13-01	NO REPORT NUMBER
N63-16016	13-09	EE-556
N63-16017	13-09	EE-525
N63-16018	13-09	EE-542
N63-16019	13-09	EE-541
N63-16020	13-09	EE-547
N63-16021	13-09	EE-540
N63-16022	13-23	NYO-10262
N63-16023	13-12	UAG-C-28
N63-16024	13-32	RAE-TRANS-1027
N63-16025	13-11	RAD-TM-62-79
N63-16026	13-12	UAG-C-29
N63-16027	13-21	RPA-6-62
N63-16028	13-34	AE62-0413
N63-16029	13-09	W-J-63-434R16
N63-16030	13-10	IDO-19021, VOL. I
N63-16031	13-15	ORNL-332/3RD ED./
N63-16032	13-09	D2-90389
N63-16033	13-11	AEDC-TDR-63-51
N63-16034	13-28	UCRL-6693
N63-16035	13-16	UCRL-10559
N63-16036	13-23	UCRL-10585
N63-16037	13-11	NOTS-TP-3036
N63-16038	13-07	NO REPORT NUMBER
N63-16039	13-02	NO REPORT NUMBER
N63-16040	13-16	AEET/AM/27
N63-16041	13-21	AFCRL-63-284
N63-16042	13-21	NO REPORT NUMBER
N63-16043	13-16	MRC-385
N63-16044	13-12	RPU-S-9
N63-16045	13-18	ASD-TDR-62-534
N63-16046	13-34	ARF-B244-6
N63-16047	13-34	ARF-2244-3
N63-16048	13-19	ASD-TDR-62-843
N63-16049	13-23	R-195
N63-16050	13-25	NBS-TN-173
N63-16051	13-13	AD-282454
N63-16052	13-13	NO REPORT NUMBER
N63-16053	13-19	NO REPORT NUMBER
N63-16054	13-18	NO REPORT NUMBER
N63-16055	13-17	NO REPORT NUMBER
N63-16056	13-17	NO REPORT NUMBER
N63-16057	13-13	NO REPORT NUMBER
N63-16058	13-34	NO REPORT NUMBER
N63-16059	13-13	NO REPORT NUMBER
N63-16060	13-34	NO REPORT NUMBER
N63-16061	13-13	NO REPORT NUMBER
N63-16062	13-26	NO REPORT NUMBER
N63-16063	13-17	NO REPORT NUMBER
N63-16064	13-06	ASD-TDR-62-899
N63-16065	13-11	NO REPORT NUMBER
N63-16066	13-08	NO REPORT NUMBER
N63-16067	13-10	NO REPORT NUMBER
N63-16068	13-25	AFOSR-2648
N63-16069	13-09	EE-555
N63-16070	13-09	EE-546
N63-16071	13-09	EE-539
N63-16072	13-09	EE-545
N63-16073	13-09	EE-551
N63-16074	13-09	EE-544
N63-16075	13-17	D6-4080-2
N63-16076	13-33	NO REPORT NUMBER
N63-16077	13-33	NO REPORT NUMBER
N63-16078	13-33	NO REPORT NUMBER
N63-16079	13-23	NO REPORT NUMBER
N63-16080	13-33	NO REPORT NUMBER
N63-16081	13-33	NO REPORT NUMBER
N63-16082	13-33	NO REPORT NUMBER

N63-16083	13-33	NO REPORT NUMBER
N63-16084	13-17	NO REPORT NUMBER
N63-16085	13-33	NO REPORT NUMBER
N63-16086	13-33	NO REPORT NUMBER
N63-16087	13-15	NO REPORT NUMBER
N63-16088	13-15	NO REPORT NUMBER
N63-16089	13-15	NO REPORT NUMBER
N63-16090	13-15	NO REPORT NUMBER
N63-16091	13-33	NO REPORT NUMBER
N63-16092	13-33	NO REPORT NUMBER
N63-16093	13-33	NO REPORT NUMBER
N63-16094	13-15	NO REPORT NUMBER
N63-16095	13-15	NO REPORT NUMBER
N63-16096	13-15	NO REPORT NUMBER
N63-16097	13-17	NO REPORT NUMBER
N63-16098	13-01	NO REPORT NUMBER
N63-16099	13-01	NO REPORT NUMBER
N63-16100	13-34	SM-62-6
N63-16101	13-25	NAVWEPS-8086
N63-16102	13-07	ASD-TDR-62-540
N63-16103	13-01	CN-73194
N63-16104	13-04	NO REPORT NUMBER
N63-16105	13-22	AD-294393
N63-16106	13-25	RADC-TDR-63-30
N63-16107	13-09	TIS-R62-ETC2
N63-16108	13-06	ER-5038
N63-16109	13-17	WADC-TR-59-603, PT. IV
N63-16110	13-09	ASD-TDR-63-59
N63-16111	13-06	FTD-TT-62-35/1&2&4
N63-16112	13-25	ARF-3142-12
N63-16113	13-25	ASD-TDR-62-89
N63-16114	13-06	ASD-TDR-62-42
N63-16115	13-24	ASD-TDR-62-411, PT. I
N63-16116	13-18	ASD-TDR-62-442
N63-16117	13-02	ASD-TDR-62-1102
N63-16118	13-18	TID-7642, BK. 2
N63-16119	13-04	AE-61-4-1
N63-16120	13-18	NO REPORT NUMBER
N63-16121	13-29	TG-230-T304
N63-16122	13-16	JPLAI/LS-260, SUPPL.
N63-16123	13-14	PRL-TDR-63-3
N63-16124	13-10	LA-2858
N63-16125	13-23	ORNL-3383
N63-16126	13-16	SAM-TDR-62-148
N63-16127	13-16	SAM-TDR-63-7
N63-16128		ACC. NO. NOT USED
N63-16129	13-08	NSS-2579
N63-16130	13-03	NO REPORT NUMBER
N63-16131	13-24	AFCRL-63-259
N63-16132	13-23	AFCRL-63-283
N63-16133	13-21	AFCRL-63-467
N63-16134	13-02	TDR-930/2230-06/TR-1
N63-16135	13-02	NASA-TM-X-149
N63-16136	13-02	NASA-TM-X-154
N63-16137	13-02	NASA-TM-X-345
N63-16138	13-04	NASA-TM-X-364
N63-16139	13-03	NASA-TM-X-439
N63-16140	13-04	NASA-TM-X-441
N63-16141	13-07	NO REPORT NUMBER
N63-16142		ACC. NO. NOT USED
N63-16143	13-10	NO REPORT NUMBER
N63-16144	13-07	UCRL-7238
N63-16145	13-11	DVL-190
N63-16146	13-07	AEET/CD/11
N63-16147	13-10	NO REPORT NUMBER
N63-16148	13-01	CARDE-TM-740/63
N63-16149	13-15	UCRL-10499
N63-16150	13-09	SURI-EE975-6304SR1
N63-16151	13-20	NO REPORT NUMBER
N63-16152	13-16	NO REPORT NUMBER
N63-16153	13-13	NO REPORT NUMBER
N63-16154	13-17	R-368
N63-16155	13-17	JPL-TM-33-106
N63-16156		ACC. NO. NOT USED
N63-16157	13-14	NO REPORT NUMBER
N63-16158	13-09	NRL-5802
N63-16159	13-30	NASA-TN-D-1566
N63-16160	13-03	NASA-TN-D-1637
N63-16161	13-18	NASA-TN-D-1707
N63-16162	13-11	NASA-TN-D-1711
N63-16163	13-12	NASA-TN-D-1746
N63-16164	13-07	NASA-TN-D-1791
N63-16165	13-09	TR-63-1
N63-16166	13-03	ARC-CP-619
N63-16167	13-07	PWAC-393
N63-16168	13-23	RK-TR-63-7
N63-16169	13-04	RAC-CP-638
N63-16170	13-23	ORNL-3440
N63-16171	13-32	P-2691
N63-16172	13-25	NO REPORT NUMBER
N63-16173	13-29	JPL-SPS-37-20, VOL. IV
N63-16174	13-14	D3-3512-3
N63-16175	13-18	NO REPORT NUMBER
N63-16176	13-18	RAD-SR-62-219
N63-16177	13-18	RAD-SR-63-29
N63-16178	13-23	ARL-63-61
N63-16179	13-23	ANL-6717
N63-16180	13-24	MATT-169
N63-16181	13-07	NO REPORT NUMBER
N63-16182	13-15	C-15
N63-16183	13-18	WAL-TR-766.5/2
N63-16184	13-13	R63SD20
N63-16185	13-03	NASA-TN-D-1788
N63-16186	13-11	NASA-TN-D-1800
N63-16187	13-23	IPST-644
N63-16188	13-26	R-5179
N63-16189	13-25	NO REPORT NUMBER
N63-16190	13-29	NO REPORT NUMBER
N63-16191	13-17	NO REPORT NUMBER
N63-16192	13-18	ARF-2182-24
N63-16193	13-11	DVL-206
N63-16194	13-07	NO REPORT NUMBER
N63-16195	13-05	NO REPORT NUMBER
N63-16196	13-05	NO REPORT NUMBER
N63-16197	13-05	NO REPORT NUMBER
N63-16198	13-29	NO REPORT NUMBER
N63-16199	13-05	NO REPORT NUMBER
N63-16200	13-05	NO REPORT NUMBER
N63-16201		ACC. NO. NOT USED
N63-16202	13-12	PNE-213F
N63-16203	13-12	PNE-235F
N63-16204	13-18	NO REPORT NUMBER
N63-16205	13-02	D1-82-0230
N63-16206	13-04	BRL-MR-1464
N63-16207	13-21	NO REPORT NUMBER
N63-16208	13-10	NO REPORT NUMBER
N63-16209	13-16	NO REPORT NUMBER
N63-16210	13-16	NO REPORT NUMBER
N63-16211	13-16	NO REPORT NUMBER
N63-16212	13-16	NO REPORT NUMBER
N63-16213	13-16	NO REPORT NUMBER
N63-16214	13-16	NO REPORT NUMBER
N63-16215	13-16	NO REPORT NUMBER
N63-16216	13-14	NO REPORT NUMBER
N63-16217	13-14	NO REPORT NUMBER
N63-16218	13-16	NO REPORT NUMBER
N63-16219	13-06	NO REPORT NUMBER
N63-16220	13-09	SB-63-17
N63-16221	13-08	NO REPORT NUMBER
N63-16222	13-05	NO REPORT NUMBER
N63-16223	13-07	NO REPORT NUMBER
N63-16224	13-29	NO REPORT NUMBER
N63-16225	13-11	NO REPORT NUMBER
N63-16226	13-14	NO REPORT NUMBER
N63-16227	13-18	DSR-8692
N63-16228	13-01	NO REPORT NUMBER
N63-16229	13-05	NO REPORT NUMBER
N63-16230		ACC. NO. NOT USED
N63-16231	13-23	NO REPORT NUMBER
N63-16232	13-05	NO REPORT NUMBER
N63-16233	13-26	NACA-RM-E54C30
N63-16234	13-26	NACA-RM-E56D24
N63-16235	13-26	NACA-RM-E57C01
N63-16236	13-26	NACA-RM-E57C07
N63-16237	13-03	NACA-RM-L57D22B
N63-16238	13-33	NACA-RM-L57D25A
N63-16239	13-33	NACA-RM-L57D26A
N63-16240	13-33	NACA-RM-L57D30A
N63-16241	13-13	NACA-RM-L58D25A
N63-16242	13-21	AFCRL-63-71
N63-16243	13-25	LNF-63/26
N63-16244	13-33	C11-75
N63-16245	13-05	NO REPORT NUMBER
N63-16246	13-05	NO REPORT NUMBER
N63-16247	13-32	AD-290800
N63-16248	13-07	AERE-R-3949
N63-16249	13-19	RIA-63-798
N63-16250	13-17	NO REPORT NUMBER
N63-16251		ACC. NO. NOT USED
N63-16252	13-25	NO REPORT NUMBER
N63-16253	13-26	NO REPORT NUMBER
N63-16254	13-29	NO REPORT NUMBER
N63-16255	13-07	CCL-140
N63-16256	13-23	MRL-114/R/
N63-16257	13-25	NO REPORT NUMBER
N63-16258	13-29	NASA-TR-R-158
N63-16259	13-02	ASD-TDR-62-360
N63-16260	13-07	NRL-5714
N63-16261	13-26	NO REPORT NUMBER
N63-16262	13-26	NO REPORT NUMBER

N63-16263	13-26	NO REPORT NUMBER
N63-16264	13-18	NO REPORT NUMBER
N63-16265	13-21	AFCRL-TDR-63-243
N63-16266	13-21	NO REPORT NUMBER
N63-16267	13-14	NO REPORT NUMBER
N63-16268	13-32	IAS PAPER-62-21
N63-16269	13-15	ASD-TDR-62-882
N63-16270	13-21	PNE-200F
N63-16271	13-24	S-528
N63-16272	13-11	AERONAUTICAL ENG. REPT.-645
N63-16273	13-01	NO REPORT NUMBER
N63-16274	13-04	AMRL-TDR-62-134
N63-16275	13-30	SB-63-1
N63-16276	13-20	AFSWC-TDR-62-123
N63-16277	13-29	NRL-5937
N63-16278	13-11	DVL-238
N63-16279	13-07	S-13859
N63-16280	13-23	AFCRL-63-457
N63-16281	13-09	AFCRL-63-93
N63-16282	13-23	NO REPORT NUMBER
N63-16283	13-24	NUP-63-1
N63-16284	13-23	NUP-63-3
N63-16285	13-14	AMRL-TDR-63-13
N63-16286	13-18	AMRL-TDR-62-99/1/
N63-16287	13-16	SCR-652
N63-16288	13-03	NASA-TR-R-139
N63-16289	13-02	NASA-TN-D-1633
N63-16290	13-23	NASA-TN-D-1664
N63-16291	13-24	NASA-TN-D-1720
N63-16292	13-12	NASA-TN-D-1721
N63-16293	13-28	NASA-TN-D-1764
N63-16294	13-30	NASA-TN-D-1790
N63-16295	13-32	NASA-TN-D-1794
N63-16296	13-18	NASA-TN-D-1798
N63-16297	13-02	NASA-TN-D-1804
N63-16298	13-30	NASA-TN-D-1828
N63-16299	13-17	AEDC-TDR-63-67
N63-16300	13-29	DFL-169
N63-16301	13-04	DFL-203
N63-16302	13-24	ASD-TDR-62-320
N63-16303		ACC. NO. NOT USED
N63-16304	13-20	NO REPORT NUMBER
N63-16305	13-25	ASD-TDR-62-74
N63-16306	13-17	EMI-4454-111-63U
N63-16307	13-24	EDR-2617
N63-16308	13-09	ASD-TDR-62-687
N63-16309	13-23	AFCRL-63-103
N63-16310	13-24	AFCRL-63-81
N63-16311	13-34	MIT R62-15
N63-16312	13-24	RM-3054-PR
N63-16313	13-24	BBE63-001
N63-16314	13-17	MTI-62TR14
N63-16315	13-23	NO REPORT NUMBER
N63-16316	13-08	NO REPORT NUMBER
N63-16317	13-02	NAVWEPS-8048
N63-16318	13-20	NO REPORT NUMBER
N63-16319		ACC. NO. NOT USED
N63-16320	13-23	NAVWEPS-8055
N63-16321	13-29	EK/ARD ED-1003
N63-16322	13-17	ASD-TDR-63-132
N63-16323	13-27	NO REPORT NUMBER
N63-16324	13-26	NO REPORT NUMBER
N63-16325	13-11	NO REPORT NUMBER
N63-16326	13-20	NO REPORT NUMBER
N63-16327	13-30	AFSWC-TDR-62-83
N63-16328	13-23	AFOSR-2759
N63-16329	13-28	SB-62-2
N63-16330	13-09	RADC-TDR-62-221
N63-16331	13-30	MND-P-3019-I
N63-16332	13-13	ASD-TDR-62-650
N63-16333	13-17	NO REPORT NUMBER
N63-16334	13-17	NA62H-46
N63-16335	13-28	LMSC-2-08-62-2
N63-16336	13-30	MND-P-2953
N63-16337	13-27	NO REPORT NUMBER
N63-16338	13-27	NO REPORT NUMBER
N63-16339	13-14	AMRL-TDR-63-22
N63-16340	13-15	AFCRL-63-102
N63-16341	14-21	NO REPORT NUMBER
N63-16342	14-23	AD-295727
N63-16343	14-23	NO REPORT NUMBER
N63-16344	14-15	W-J-63-610R12
N63-16345	14-18	SB-62-22, SUPPL. II
N63-16346	14-28	AEDC-TDR-63-92
N63-16347	14-21	AFCRL-63-463
N63-16348	14-11	NO REPORT NUMBER
N63-16349	14-11	ILL-10-P
N63-16350	14-03	E-79-4
N63-16351	14-20	D1-82-0208
N63-16352	14-16	USNRDL-TR-636
N63-16353	14-29	R62SD153
N63-16354	14-23	SLAC-1
N63-16355	14-06	GEMP-76
N63-16356	14-18	NO REPORT NUMBER
N63-16357	14-10	NO REPORT NUMBER
N63-16358	14-02	NO REPORT NUMBER
N63-16359	14-21	AFCRL-63-299
N63-16360	14-20	ASD-TDR-63-182
N63-16361	14-20	RE-164
N63-16362	14-27	MND-2903 /VOL. 1/
N63-16363	14-07	NO REPORT NUMBER
N63-16364	14-12	NO REPORT NUMBER
N63-16365	14-25	NO REPORT NUMBER
N63-16366	14-21	NO REPORT NUMBER
N63-16367	14-08	NO REPORT NUMBER
N63-16368	14-20	NO REPORT NUMBER
N63-16369	14-16	NO REPORT NUMBER
N63-16370	14-23	ASD-TDR-62-787
N63-16371	14-08	AFCRL-63-101
N63-16372	14-02	ARL-63-16
N63-16373	14-15	NO REPORT NUMBER
N63-16374	14-26	MRB-2022Q3
N63-16375	14-11	DVL-210
N63-16376	14-23	BNL-774/T-291/
N63-16377	14-14	HUMRRO-RR-11
N63-16378	14-15	NYO-10261
N63-16379	14-25	NO REPORT NUMBER
N63-16380	14-21	AFCRL-63-443
N63-16381	14-08	NO REPORT NUMBER
N63-16382	14-21	LMSC-A003108 A
N63-16383	14-23	CE/WES-MP-2-524
N63-16384	14-24	MRC-311
N63-16385	14-20	HASL-126
N63-16386	14-32	JPL-TR-32-383
N63-16387	14-07	BMI-1625
N63-16388	14-24	NRL-5915
N63-16389	14-09	AFCRL-63-70
N63-16390	14-20	NO REPORT NUMBER
N63-16391	14-24	NASA-TN-D-1654
N63-16392	14-09	NASA-TN-D-1759
N63-16393	14-11	SUDAER-150
N63-16394	14-10	SUDAER-151
N63-16395	14-20	ESL-FR-165
N63-16396	14-33	NO REPORT NUMBER
N63-16397	14-21	AFCRL-63-244
N63-16398	14-26	U-2116
N63-16399	14-25	NO REPORT NUMBER
N63-16400	14-30	ASD-TDR-63-233
N63-16401	14-20	RADC-TDR-63-181
N63-16402	14-10	ASD-TDR-63-154
N63-16403	14-02	ASD-TDR-63-131
N63-16404	14-23	ASD-TDR-62-978
N63-16405	14-26	RMD-5502-F
N63-16406	14-11	R-403-PR
N63-16407	14-11	BRN-4-P
N63-16408	14-11	BRN-5-P
N63-16409	14-16	AMRL-TDR-62-99/II/
N63-16410	14-17	FA-R-1645
N63-16411	14-17	HW-76300
N63-16412	14-25	ASD-TDR-62-838
N63-16413	14-06	NO REPORT NUMBER
N63-16414	14-06	HW-67072
N63-16415	14-03	ARC-CP-642
N63-16416	14-24	NO REPORT NUMBER
N63-16417	14-12	AFCRL-63-466
N63-16418	14-15	GA-3676
N63-16419	14-23	HW-76128
N63-16420	14-19	DFL-204
N63-16421	14-16	SB-62-56
N63-16422	14-06	AMRL-TDR-62-149
N63-16423	14-20	JPL-TR-32-429
N63-16424	14-30	NO REPORT NUMBER
N63-16425	14-02	NASA-TR-R-127
N63-16426	14-15	NASA-TN-D-1698
N63-16427	14-02	NASA-TN-D-1799
N63-16428	14-03	NASA-TN-D-1809
N63-16429	14-29	NASA-TN-D-1847
N63-16430	14-04	NASA-TN-D-1887
N63-16431	14-07	NO REPORT NUMBER
N63-16432	14-07	NO REPORT NUMBER
N63-16433	14-07	NO REPORT NUMBER
N63-16434	14-28	NO REPORT NUMBER
N63-16435	14-25	AFCRL-62-369
N63-16436	14-24	RADC-TDR-63-135
N63-16437	14-08	RADC-TDR-62-586
N63-16438	14-34	AFCRL-63-64
N63-16439	14-20	NASA-TM-X-50016
N63-16440	14-27	JPL-TR-32-194
N63-16441	14-29	JPL-TR-32-256
N63-16442	14-33	JPL-TR-32-261

63-16443	14-26	JPL-TR-32-348
63-16444	14-29	JPL-TR-32-400
63-16445	14-30	JPL-TR-32-431, PT. I
63-16446	14-24	NO REPORT NUMBER
63-16447	14-23	BMI-1614/DEL./
63-16448	14-08	RE-TR-62-6
63-16449	14-25	W-J-63-612R12
63-16450	14-24	DL-82-0225
63-16451	14-25	NO REPORT NUMBER
63-16452	14-20	WAPD-TM-356
63-16453	14-15	K-1444
63-16454	14-21	AFCRL-63-400
63-16455	14-18	ASD-TDR-63-232
63-16456	14-04	AGARDOGRAPH-67
63-16457	14-24	PIBMRI-1113-63
63-16458	14-12	AFCRL-63-604
63-16459	14-28	NYO-10265
63-16460	14-15	ARL-63-47
63-16461	14-12	NBS-TN-40-9
63-16462	14-12	NBS-TN-40-10
63-16463	14-09	AFCRL-63-85
63-16464	14-15	AFCRL-63-249
63-16465	14-11	NWL-1853
63-16466	14-16	ER-12923
63-16467	14-24	D1-82-0170
63-16468	14-15	MATT-162
63-16469	14-15	NYO-2667
63-16470	14-28	NO REPORT NUMBER
63-16471	14-04	TCREC-TR-63-100
63-16472	14-14	MRL-TDR-62-66
63-16473	14-20	NO REPORT NUMBER
63-16474	14-24	TDR-169/3230-12/TR-3
63-16475	14-10	AFCRL-63-73
63-16476	14-19	FRL-TN-101
63-16477		ACC. NO. NOT USED
63-16478	14-24	AFCRL-62-970
63-16479	14-23	AFCRL-63-258
63-16480	14-33	ASD-TDR-62-1013
63-16481	14-30	TM-63-201
63-16482	14-05	TM-63-203
63-16483	14-13	ANL-6675
63-16484	14-19	NO REPORT NUMBER
63-16485	14-08	AFCRL-63-46
63-16486	14-07	ASD-TDR-62-1040
63-16487	14-13	ARL-63-25
63-16488	14-23	BM-RI-6240
63-16489	14-25	NO REPORT NUMBER
63-16490	14-15	NO REPORT NUMBER
63-16491	14-11	DCAS-TDR-62-77
63-16492		ACC. NO. NOT USED
63-16493	14-09	NO REPORT NUMBER
63-16494	14-11	NO REPORT NUMBER
63-16495	14-07	CCL-141
63-16496	14-17	ASD-TDR-63-160
63-16497	14-12	SP-206
63-16498	14-28	NO REPORT NUMBER
63-16499	14-25	ORNL-3432
63-16500	14-25	ORNL-3433
N63-16501	14-25	UCRL-10629
N63-16502	14-23	UCRL-10677
N63-16503	14-24	UCRL-10687
N63-16504	14-23	UCRL-10702
N63-16505	14-24	UCRL-10705
N63-16506	14-11	UCRL-10717
N63-16507	14-20	UCRL-10744
N63-16508	14-16	SAM-TDR-62-128
N63-16509	14-24	AEET/CD/10
N63-16510	14-09	PIBMRI-1149-63
N63-16511	14-11	AVCO-EVERETT RES. REPT.-138
N63-16512	14-24	ARL-63-35
N63-16513	14-29	AFCRL-63-459
N63-16514	14-08	AF-103
N63-16515	14-09	AF-104
N63-16516	14-08	SB-62-18
N63-16517	14-15	IDO-16857
N63-16518	14-12	RM-3596
N63-16519	14-24	RM-3603-ARPA
N63-16520	14-25	AROD-2099-13
N63-16521	14-07	PA-TM-1186
N63-16522	14-09	LA-2853
N63-16523	14-24	NO REPORT NUMBER
N63-16524	14-17	CCL-143
N63-16525	14-13	RAD-TM-63-7
N63-16526	14-09	SB-62-46
N63-16527	14-16	CARI-62-1
N63-16528	14-20	MRC-320
N63-16529	14-20	MRC-322
N63-16530	14-08	AEDC-TDR-63-75
N63-16531	14-07	NO REPORT NUMBER
N63-16532	14-33	NO REPORT NUMBER
N63-16533	14-04	NO REPORT NUMBER
N63-16534	14-21	HW-75445
N63-16535	14-32	PIBMRI-1079-62
N63-16536	14-13	BSD-TDR-62-347
N63-16537	14-18	AROD-2581-2
N63-16538	14-07	UCRL-10624
N63-16539	14-23	AEET-ANAL.-6
N63-16540	14-17	T&AM-238
N63-16541	14-20	CF-2986
N63-16542	14-11	NO REPORT NUMBER
N63-16543	14-20	ORNL-3430
N63-16544	14-23	ORNL-3443
N63-16545	14-18	NO REPORT NUMBER
N63-16546	14-22	RADC-TDR-63-166
N63-16547	14-11	AEDC-TDR-63-127
N63-16548	14-24	ER-6047
N63-16549	14-11	TR-1098
N63-16550	14-13	AFOSR-3207
N63-16551	14-29	RM-3275-PR
N63-16552	14-20	MRC-345
N63-16553	14-19	ONR-TR-RLT-59
N63-16554	14-08	RADC-TDR-63-67
N63-16555	14-23	TN-91
N63-16556	14-11	MLM-987
N63-16557	14-16	AMRL-TDR-63-19
N63-16558	14-29	JPL-EPD-22
N63-16559	14-23	NAA-SR-8085
N63-16560	14-25	EUR-248.F
N63-16561	14-20	UCRL-10734
N63-16562	14-33	NASA-CR-50178
N63-16563	14-32	NASA FACTS-B-4-63
N63-16564	14-18	UCRL-7210
N63-16565	14-24	UCRL-7253
N63-16566	14-18	UCRL-7289
N63-16567	14-15	NO REPORT NUMBER
N63-16568	14-23	NYO-10264
N63-16569	14-18	NO REPORT NUMBER
N63-16570	14-23	NO REPORT NUMBER
N63-16571	14-23	UCRL-10718
N63-16572	14-09	NO REPORT NUMBER
N63-16573	14-23	UCRL-10780
N63-16574	14-10	EM-1110-345-950
N63-16575	14-29	NASA-TN-D-1745
N63-16576	14-18	ASD-TDR-63-101
N63-16577	14-34	NO REPORT NUMBER
N63-16578	14-33	ASD-TDR-62-1031
N63-16579	14-19	NO REPORT NUMBER
N63-16580	14-20	EUR-202.F
N63-16581	14-21	NO REPORT NUMBER
N63-16582	14-16	NO REPORT NUMBER
N63-16583	14-07	BM-RI-6242
N63-16584	14-23	NO REPORT NUMBER
N63-16585	14-12	AFCRL-63-498
N63-16586	14-18	DMIC-183
N63-16587	14-27	WAL-TR-371.9/5
N63-16588	14-24	R62SD94
N63-16589	14-20	MRC-390
N63-16590	14-20	MRC-393
N63-16591	14-20	MRC-397
N63-16592	14-20	PIBMRI-1131-63
N63-16593	14-02	NO REPORT NUMBER
N63-16594	14-20	MRC-398
N63-16595	14-24	SSD-TDR-62-127, VOL, IV
N63-16596	14-23	GEMP-22A
N63-16597	14-15	CRRD-1109
N63-16598	14-18	AFCRL-63-36
N63-16599	14-24	AFCRL-62-976
N63-16600	14-32	NASA FACTS-C-62
N63-16601	14-11	NASA-TN-D-1712
N63-16602	14-12	NO REPORT NUMBER
N63-16603	14-34	NO REPORT NUMBER
N63-16604	14-33	NO REPORT NUMBER
N63-16605	14-18	NO REPORT NUMBER
N63-16606	14-15	NO REPORT NUMBER
N63-16607	14-11	NO REPORT NUMBER
N63-16608	14-33	NO REPORT NUMBER
N63-16609	14-18	NO REPORT NUMBER
N63-16610	14-34	NO REPORT NUMBER
N63-16611	14-18	NO REPORT NUMBER
N63-16612	14-33	NO REPORT NUMBER
N63-16613	14-33	NO REPORT NUMBER
N63-16614	14-33	NO REPORT NUMBER
N63-16615	14-18	NO REPORT NUMBER
N63-16616	14-33	NO REPORT NUMBER
N63-16617	14-19	NO REPORT NUMBER
N63-16618	14-17	NO REPORT NUMBER
N63-16619	14-17	NO REPORT NUMBER
N63-16620	14-34	NO REPORT NUMBER
N63-16621	14-33	NO REPORT NUMBER
N63-16622	14-18	NO REPORT NUMBER

N63-16623 14-33 ..... NO REPORT NUMBER
N63-16624 14-33 ..... NO REPORT NUMBER
N63-16625 14-33 ..... NO REPORT NUMBER
N63-16626 14-34 ..... NO REPORT NUMBER
N63-16627 14-01 ..... NO REPORT NUMBER
N63-16628 14-05 ..... NO REPORT NUMBER
N63-16629 14-05 ..... NO REPORT NUMBER
N63-16630 14-05 ..... NO REPORT NUMBER
N63-16631 14-05 ..... NO REPORT NUMBER
N63-16632 14-05 ..... NO REPORT NUMBER
N63-16633 14-05 ..... NO REPORT NUMBER
N63-16634 14-05 ..... NO REPORT NUMBER
N63-16635 14-05 ..... NO REPORT NUMBER
N63-16636 14-05 ..... NO REPORT NUMBER
N63-16637 14-29 ..... NO REPORT NUMBER
N63-16638 14-29 ..... NO REPORT NUMBER
N63-16639 14-29 ..... NO REPORT NUMBER
N63-16640 14-29 ..... NO REPORT NUMBER
N63-16641 14-28 ..... NO REPORT NUMBER
N63-16642 14-05 ..... NO REPORT NUMBER
N63-16643 14-05 ..... NO REPORT NUMBER
N63-16644 14-05 ..... NO REPORT NUMBER
N63-16645 14-05 ..... NO REPORT NUMBER
N63-16646 14-05 ..... NO REPORT NUMBER
N63-16647 14-12 ..... NO REPORT NUMBER
N63-16648 14-05 ..... NO REPORT NUMBER
N63-16649 14-05 ..... NO REPORT NUMBER
N63-16650 14-05 ..... NO REPORT NUMBER
N63-16651 14-05 ..... NO REPORT NUMBER
N63-16652 14-05 ..... NO REPORT NUMBER
N63-16653 14-05 ..... NO REPORT NUMBER
N63-16654 14-05 ..... NO REPORT NUMBER
N63-16655 14-29 ..... NO REPORT NUMBER
N63-16656 14-05 ..... NO REPORT NUMBER
N63-16657 14-12 ..... NO REPORT NUMBER
N63-16658 14-29 ..... NO REPORT NUMBER
N63-16659 14-05 ..... NO REPORT NUMBER
N63-16660 14-05 ..... NO REPORT NUMBER
N63-16661 14-05 ..... NO REPORT NUMBER
N63-16662 14-05 ..... NO REPORT NUMBER
N63-16663 14-29 ..... NO REPORT NUMBER
N63-16664 14-05 ..... NO REPORT NUMBER
N63-16665 14-29 ..... NO REPORT NUMBER
N63-16666 14-20 ..... MRC-392
N63-16667 14-18 ..... WADD-TR-60-184, PT. IV
N63-16668 14-06 ..... NOLC-564
N63-16669 14-17 ..... NASA-TN-D-1729
N63-16670 14-28 ..... NASA-CR-50045
N63-16671 14-30 ..... MTP-P&VE-F-62-11
N63-16672 14-12 ..... NASA-X-615-62-132
N63-16673 14-26 ..... MTP-P&VE-P-62-6
N63-16674 14-29 ..... NO REPORT NUMBER
N63-16675 14-12 ..... NASA-CR-50028
N63-16676 14-27 ..... CTR-00-270
N63-16677 14-33 ..... FZK-163
N63-16678 14-28 ..... NASA-CR-50033
N63-16679 14-24 ..... NASA-CR-50044
N63-16680 14-07 ..... AMP-107
N63-16681 14-23 ..... NO REPORT NUMBER
N63-16682 14-11 ..... GD/C-62-354A
N63-16683 14-11 ..... ASRL-TR-1008
N63-16684 14-29 ..... NO REPORT NUMBER
N63-16685 14-23 ..... NBS-R-270
N63-16686 14-23 ..... AFCRL-63-115
N63-16687 14-23 ..... NBS-R-269
N63-16688 14-13 ..... NASA-TN-D-1726
N63-16689 14-12 ..... CR-52
N63-16690 14-33 ..... ASD-TR-61-713, PT. II
N63-16691 14-24 ..... NUP-63-4
N63-16692 14-15 ..... NUP-63-7
N63-16693 14-29 ..... NO REPORT NUMBER
N63-16694 14-33 ..... AROD-2571-3
N63-16695 14-14 ..... RM-146
N63-16696 14-32 ..... NASA-EP-7
N63-16697 14-29 ..... NO REPORT NUMBER
N63-16698 14-23 ..... MIT-TR-178
N63-16699 14-29 ..... NO REPORT NUMBER
N63-16700 14-29 ..... NASA FACTS-B-62
N63-16701 14-29 ..... NASA FACTS-A-62
N63-16702 14-29 ..... NO REPORT NUMBER
N63-16703 14-29 ..... NO REPORT NUMBER
N63-16704 14-18 ..... NO REPORT NUMBER
N63-16705 14-18 ..... NO REPORT NUMBER
N63-16706 ..... ACC. NO. NOT USED
N63-16707 14-28 ..... NASA-TM-X-50021
N63-16708 14-28 ..... NASA-TM-X-50023
N63-16709 14-29 ..... NASA-TM-X-50022
N63-16710 14-20 ..... NASA-TM-X-50020
N63-16711 14-24 ..... NASA-TN-D-1734
N63-16712 14-07 ..... ASD-TDR-63-273
N63-16713 14-18 ..... NO REPORT NUMB
N63-16714 14-18 ..... ASD-TDR-62-9
N63-16715 14-14 ..... NAVTRADEVCEN-78
N63-16716 14-20 ..... BRL-TN-14
N63-16717 14-20 ..... NASA-TM-X-500
N63-16718 14-12 ..... NASA-TM-X-500
N63-16719 14-11 ..... NASA-CR-500
N63-16720 14-07 ..... NASA-CR-500
N63-16721 14-23 ..... NASA-CR-500
N63-16722 14-11 ..... NASA-CR-500
N63-16723 14-20 ..... NASA-TM-X-500
N63-16724 14-10 ..... EPD-29, REV.
N63-16725 14-23 ..... AFCRL-63-1
N63-16726 14-29 ..... NASA-CR-501
N63-16727 14-18 ..... T&AM-2
N63-16728 14-28 ..... NASA-CR-501
N63-16729 14-24 ..... AFCRL-63-4
N63-16730 14-20 ..... NO REPORT NUMB
N63-16731 14-29 ..... NASA-CR-501
N63-16732 14-11 ..... NASA-CR-501
N63-16733 14-07 ..... NASA-CR-501
N63-16734 14-24 ..... NO REPORT NUMB
N63-16735 14-18 ..... AFCRL-63-45
N63-16736 14-06 ..... AFCRL-63-45
N63-16737 14-09 ..... NAVTRADEVCEN-1188-
N63-16738 14-07 ..... AFCRL-63-44
N63-16739 14-07 ..... AFCRL-63-
N63-16740 14-33 ..... WADD-TR-61-42, PT. II
N63-16741 14-29 ..... NO REPORT NUMB
N63-16742 14-06 ..... ASD-TDR-63-19
N63-16743 ..... ACC. NO. NOT USE
N63-16744 14-12 ..... NBS-TN-17
N63-16745 14-11 ..... NASA-TN-D-181
N63-16746 14-11 ..... NASA-TN-D-198
N63-16747 14-03 ..... TM-348-33.6-1
N63-16748 14-32 ..... NO REPORT NUMB
N63-16749 14-09 ..... LNF-62/11
N63-16750 14-01 ..... NO REPORT NUMB
N63-16751 14-33 ..... NO REPORT NUMB
N63-16752 14-10 ..... NO REPORT NUMB
N63-16753 14-09 ..... NO REPORT NUMB
N63-16754 14-02 ..... NO REPORT NUMB
N63-16755 14-02 ..... NO REPORT NUMB
N63-16756 14-32 ..... NO REPORT NUMB
N63-16757 14-17 ..... NO REPORT NUMB
N63-16758 14-10 ..... NO REPORT NUMB
N63-16759 14-15 ..... NO REPORT NUMB
N63-16760 14-10 ..... NO REPORT NUMB
N63-16761 14-02 ..... NO REPORT NUMB
N63-16762 14-10 ..... NO REPORT NUMB
N63-16763 14-10 ..... NO REPORT NUMB
N63-16764 14-34 ..... NO REPORT NUMB
N63-16765 14-10 ..... NO REPORT NUMB
N63-16766 14-10 ..... NO REPORT NUMB
N63-16767 14-04 ..... NO REPORT NUMB
N63-16768 14-34 ..... NO REPORT NUMB
N63-16769 14-10 ..... NO REPORT NUMB
N63-16770 14-30 ..... NO REPORT NUMB
N63-16771 14-10 ..... NO REPORT NUMB
N63-16772 14-20 ..... NO REPORT NUMB
N63-16773 14-17 ..... NO REPORT NUMB
N63-16774 14-10 ..... NO REPORT NUMB
N63-16775 ..... ACC. NO. NOT USE
N63-16776 14-06 ..... SWC-TDR-62-10
N63-16777 14-29 ..... SWC-TDR-63-2
N63-16778 14-24 ..... NYO-1026
N63-16779 14-12 ..... GA-422
N63-16780 14-28 ..... AEDC-TDR-63-9
N63-16781 14-24 ..... ILL-11-
N63-16782 14-20 ..... SCR-60
N63-16783 14-18 ..... NO REPORT NUMBE
N63-16784 14-33 ..... BMI-162
N63-16785 14-10 ..... NO REPORT NUMBE
N63-16786 14-19 ..... NO REPORT NUMBE
N63-16787 14-11 ..... NO REPORT NUMBE
N63-16788 14-17 ..... RAS-TM-63-
N63-16789 14-08 ..... RADC-TDR-63-14
N63-16790 14-24 ..... R-4
N63-16791 14-20 ..... MRC-39
N63-16792 14-13 ..... AROD-1954-1
N63-16793 14-28 ..... VL-2244-6-
N63-16794 14-30 ..... LMSC-A372000
N63-16795 14-18 ..... Q-B1933-
N63-16796 14-18 ..... BM-RI-624
N63-16797 14-03 ..... NPL-R&M-331
N63-16798 14-23 ..... AFCRL-63-3
N63-16799 ..... ACC. NO. NOT USE
N63-16800 14-30 ..... NO REPORT NUMBE
N63-16801 14-01 ..... NASA-TM-X-5007
N63-16802 14-29 ..... NO REPORT NUMBE

N63-16803	14-29	NO REPORT NUMBER
N63-16804	14-29	NO REPORT NUMBER
N63-16805	14-29	NO REPORT NUMBER
N63-16806	14-29	NO REPORT NUMBER
N63-16807	14-29	NO REPORT NUMBER
N63-16808	14-29	NO REPORT NUMBER
N63-16809	14-20	NO REPORT NUMBER
N63-16810	14-20	NO REPORT NUMBER
N63-16811	14-20	NO REPORT NUMBER
N63-16812	14-01	NO REPORT NUMBER
N63-16813	14-11	NO REPORT NUMBER
N63-16814	14-11	NO REPORT NUMBER
N63-16815	14-11	NO REPORT NUMBER
N63-16816	14-11	NO REPORT NUMBER
N63-16817	14-11	NO REPORT NUMBER
N63-16818	14-11	NO REPORT NUMBER
N63-16819	14-11	NO REPORT NUMBER
N63-16820	14-34	NO REPORT NUMBER
N63-16821	14-02	NO REPORT NUMBER
N63-16822	14-02	NO REPORT NUMBER
N63-16823	14-04	NO REPORT NUMBER
N63-16824	14-23	LNF-63/3
N63-16825	14-20	EUR-257.E
N63-16826	14-22	NO REPORT NUMBER
N63-16827	14-15	ASRMDD-TM-63-31
N63-16828	14-02	ARL/A-123
N63-16829	14-12	AFCRL-63-294
N63-16830	14-20	NO REPORT NUMBER
N63-16831		ACC. NO. NOT USED
N63-16832	14-06	PIBMRI-1101-62
N63-16833	14-20	AD-277582
N63-16834	14-29	NO REPORT NUMBER
N63-16835	14-18	SRI-21
N63-16836	14-18	SRI-22
N63-16837	14-16	NAS-NRC-1086
N63-16838	14-18	NO REPORT NUMBER
N63-16839	14-29	R-48
N63-16840	14-09	NBS-MONOGRAPH-46
N63-16841	14-11	ARAP-44
N63-16842	14-11	D1-82-0205
N63-16843	14-08	RG-TR-62-3
N63-16844	14-10	NO REPORT NUMBER
N63-16845	14-18	LA-2886
N63-16846	14-23	NO REPORT NUMBER
N63-16847	14-23	NO REPORT NUMBER
N63-16848	14-12	FTD-TT-62-1029/1&2&4
N63-16849	14-16	FMI-63-1
N63-16850	14-23	HASL-133
N63-16851	14-09	RAE-TRANS-1001
N63-16852	14-25	AROD-2099-12
N63-16853	14-15	ASD-TR-61-487
N63-16854	14-01	NO REPORT NUMBER
N63-16855	14-22	NO REPORT NUMBER
N63-16856	14-15	NO REPORT NUMBER
N63-16857	14-10	NO REPORT NUMBER
N63-16858	14-15	NO REPORT NUMBER
N63-16859	14-22	NO REPORT NUMBER
N63-16860	14-22	NO REPORT NUMBER
N63-16861	14-22	NO REPORT NUMBER
N63-16862	14-15	NO REPORT NUMBER
N63-16863	14-06	NO REPORT NUMBER
N63-16864	14-22	NO REPORT NUMBER
N63-16865	14-22	NO REPORT NUMBER
N63-16866	14-09	AFCRL-63-59
N63-16867	14-09	AFCRL-63-84
N63-16868	14-16	AAL-TDR-62-14
N63-16869	14-23	R-167
N63-16870	14-26	QR-7414-7
N63-16871	14-17	NO REPORT NUMBER
N63-16872	14-17	NO REPORT NUMBER
N63-16873		ACC. NO. NOT USED
N63-16874	14-15	C-14
N63-16875	14-24	AFESD-TDR-62-249
N63-16876		ACC. NO. NOT USED
N63-16877	14-24	NO REPORT NUMBER
N63-16878	14-18	NRL-5916
N63-16879	14-24	HE-150-211
N63-16880	14-33	NASA-TN-D-1537
N63-16881	14-11	ARC-CP-626
N63-16882	14-04	ARC-CP-647
N63-16883		ACC. NO. NOT USED
N63-16884	14-25	NASA-CR-50194
N63-16885	14-18	GA-3859
N63-16886	14-15	PLASMA RES. LAB. TECH. REPT.7
N63-16887	14-05	CAL-RM-1655-M-4
N63-16888	14-09	NASA-CR-50113
N63-16889	14-18	ASD-TDR-62-876
N63-16890	14-13	PIBAL-612
N63-16891	14-13	PIBAL-437
N63-16892	14-11	PIBAL-325
N63-16893	14-15	NO REPORT NUMBER
N63-16894	14-09	NO REPORT NUMBER
N63-16895	14-11	ARC-CP-625
N63-16896	14-29	AFSWC-TDR-63-11
N63-16897	14-04	AFSWC-TDR-63-21
N63-16898	14-20	NO REPORT NUMBER
N63-16899	14-18	IDO-14606
N63-16900	14-08	NBS-TN-175
N63-16901	14-18	ASD-TR-7-678/IV/
N63-16902	14-23	LMSC-6-90-63-23
N63-16903	14-11	TIL/T-5325
N63-16904	14-18	ASD-TDR-63-360
N63-16905	14-18	ASD-TDR-63-297
N63-16906		ACC. NO. NOT USED
N63-16907		ACC. NO. NOT USED
N63-16908		ACC. NO. NOT USED
N63-16909		ACC. NO. NOT USED
N63-16910		ACC. NO. NOT USED
N63-16911		ACC. NO. NOT USED
N63-16912		ACC. NO. NOT USED
N63-16913		ACC. NO. NOT USED
N63-16914	14-24	AD-283830
N63-16915	14-08	NO REPORT NUMBER
N63-16916	14-11	NOLTR-62-143
N63-16917	14-24	AD-283026
N63-16918	14-24	AD-276705
N63-16919	14-08	RADC-TDR-63-124
N63-16920	14-24	RADC-TDR-62-260
N63-16921	14-12	NO REPORT NUMBER
N63-16922	14-06	MND-2866-1
N63-16923	14-11	CAL-AF-1412-A-2
N63-16924	14-13	NOLTR-62-72
N63-16925	14-18	ASD-TDR-63-309, PT. I
N63-16926	14-11	FTD-TT-62-1057/1&2&4
N63-16927	14-23	NEL-1121
N63-16928	14-11	D1-82-0168
N63-16929	14-16	FRL-TN-90
N63-16930	14-24	D1-82-0173
N63-16931	14-07	AN-625
N63-16932	14-09	AFCRL-63-129
N63-16933	14-11	FTD-TT-62-1145/1&2&4
N63-16934	14-06	NAA-SR-7432
N63-16935	14-24	GA-PHYS-62-2
N63-16936	14-09	NO REPORT NUMBER
N63-16937	14-29	CA-4291-0065
N63-16938	14-34	RAC-1160
N63-16939	14-06	NAA-SR-7368
N63-16940	14-11	NPL/AERO/1004
N63-16941	14-09	NO REPORT NUMBER
N63-16942	14-04	BRL-1187
N63-16943	14-11	PIBAL-469
N63-16944	14-09	RADC-TDR-62-498
N63-16945	14-10	MIL-STD-810 /USAF/
N63-16946	14-23	LNF-63/4
N63-16947	14-20	AROD-1517-52
N63-16948	14-11	TG-230-T330
N63-16949	14-08	NO REPORT NUMBER
N63-16950	14-08	NO REPORT NUMBER
N63-16951	14-23	WAPD-TM-333
N63-16952	14-12	AFCRL-63-436
N63-16953	14-07	NO REPORT NUMBER
N63-16954	14-12	NO REPORT NUMBER
N63-16955	14-11	ORNL-3422
N63-16956	14-26	NO REPORT NUMBER
N63-16957	14-13	RAL-RR-189
N63-16958	14-24	MATT-171
N63-16959	14-24	MATT-187
N63-16960	14-25	MATT-188
N63-16961	14-12	CEX-58.4.8
N63-16962	14-08	PIBMRI-1148-63
N63-16963	14-34	TIL/T-5374
N63-16964	14-18	ASC-TR-7-827/III/
N63-16965	14-18	ASC-TR-7-827/IV/
N63-16966	14-18	ASC-TR-7-827/V/
N63-16967	14-18	ASC-TR-7-827/VI/
N63-16968	14-18	ASC-TR-7-827/VII/
N63-16969	14-11	NO REPORT NUMBER
N63-16970	14-34	T&AM-246
N63-16971	14-33	T&AM-247
N63-16972	14-32	NO REPORT NUMBER
N63-16973	14-17	RADC-RAS-TM-63-3
N63-16974	14-18	NO REPORT NUMBER
N63-16975		ACC. NO. NOT USED
N63-16976	14-07	AFCRL-63-22/X
N63-16977	14-07	AFCRL-63-456
N63-16978	14-23	BM-IC-8166
N63-16979	14-13	AROD-2000-7
N63-16980	14-15	NADC-EL-N6208
N63-16981	14-25	NO REPORT NUMBER
N63-16982	14-23	MS-10039-M

N63-16983	15-11	NO REPORT NUMBER
N63-16984		ACC. NO. NOT USED
N63-16985	15-29	NASA-TN-D-1416
N63-16986	15-34	NASA-TN-D-1570
N63-16987	15-28	NASA-TN-D-1644
N63-16988	15-23	NASA-TN-D-1709
N63-16989	15-15	NASA-TN-D-1727
N63-16990	15-11	NASA-TN-D-1761
N63-16991	15-30	NASA-TN-D-1811
N63-16992	15-32	NASA-TN-D-1816
N63-16993	15-29	NASA-TN-D-1833
N63-16994	15-12	NASA-TN-D-1848
N63-16995	15-27	NASA-TN-D-1732
N63-16996	15-23	ASD-TDR-63-306
N63-16997	15-20	RM-3579-PR
N63-16998	15-17	MRC-1299
N63-16999	15-18	ASD-TDR-62-509, VOL. II
N63-17000	15-18	ASD-TDR-62-869
N63-17001	15-15	NO REPORT NUMBER
N63-17002	15-12	RM-63TMP-2
N63-17003	15-29	JPL-SPS-37-20, VOL. VI
N63-17004		ACC. NO. NOT USED
N63-17005		ACC. NO. NOT USED
N63-17006	15-26	OTS 61-31075
N63-17007		ACC. NO. NOT USED
N63-17008		ACC. NO. NOT USED
N63-17009		ACC. NO. NOT USED
N63-17010	15-29	NO REPORT NUMBER
N63-17011	15-07	NO REPORT NUMBER
N63-17012	15-19	AID-62-77
N63-17013	15-11	ONR-438
N63-17014	15-33	RM-3164-PR
N63-17015	15-19	RM-3018-PR
N63-17016	15-27	NO REPORT NUMBER
N63-17017	15-25	AROD-1579-12
N63-17018	15-18	NO REPORT NUMBER
N63-17019	15-07	AFSWC-TDR-62-12
N63-17020	15-11	MIT FLUID DYN. RES. LAB.-63-2
N63-17021	15-33	ASD-TDR-63-252
N63-17022	15-18	WAL-TR-823.3/1
N63-17023	15-23	UCRL-10620
N63-17024	15-19	UCRL-10724
N63-17025	15-07	RAE-TRANS-1028
N63-17026	15-27	NO REPORT NUMBER
N63-17027	15-32	NO REPORT NUMBER
N63-17028	15-15	NASA-CR-50143
N63-17029	15-11	SB-62-55
N63-17030	15-32	NO REPORT NUMBER
N63-17031	15-32	NO REPORT NUMBER
N63-17032	15-12	NO REPORT NUMBER
N63-17033	15-19	NRL-5752
N63-17034	15-19	LC/B/-417
N63-17035	15-09	SUDAER-147
N63-17036	15-16	NO REPORT NUMBER
N63-17037	15-16	NO REPORT NUMBER
N63-17038	15-16	NO REPORT NUMBER
N63-17039	15-16	NO REPORT NUMBER
N63-17040	15-16	NO REPORT NUMBER
N63-17041	15-16	NO REPORT NUMBER
N63-17042	15-16	NO REPORT NUMBER
N63-17043	15-16	NO REPORT NUMBER
N63-17044	15-16	NO REPORT NUMBER
N63-17045	15-16	NO REPORT NUMBER
N63-17046	15-16	NO REPORT NUMBER
N63-17047	15-16	NO REPORT NUMBER
N63-17048	15-01	NO REPORT NUMBER
N63-17049	15-29	NO REPORT NUMBER
N63-17050	15-16	NO REPORT NUMBER
N63-17051	15-08	NO REPORT NUMBER
N63-17052	15-32	NO REPORT NUMBER
N63-17053	15-08	NO REPORT NUMBER
N63-17054	15-25	AFCRL-62-561
N63-17055	15-24	AD-284753
N63-17056	15-24	NO REPORT NUMBER
N63-17057	15-24	NO REPORT NUMBER
N63-17058	15-24	NO REPORT NUMBER
N63-17059	15-24	NO REPORT NUMBER
N63-17060	15-07	ASD-TDR-63-113
N63-17061	15-33	SURI-TR-834-6
N63-17062	15-09	W-J-63-610R12-1
N63-17063	15-14	NADC-MA-6219
N63-17064	15-09	EID-61
N63-17065	15-20	USCEC-97-101
N63-17066	15-19	NAVWEPS-8030
N63-17067	15-20	NO REPORT NUMBER
N63-17068	15-15	AEDC-TDR-63-113
N63-17069	15-20	NO REPORT NUMBER
N63-17070	15-18	ORNL-3438
N63-17071	15-20	UCRL-7294
N63-17072	15-17	RR-63-4
N63-17073	15-23	AFCRL-63-48
N63-17074	15-12	AFCRL-63-48
N63-17075	15-03	FFA-9
N63-17076	15-18	R63S
N63-17077	15-17	GA-23
N63-17078	15-20	EID-
N63-17079	15-09	TR-11
N63-17080	15-24	AFCRL-63-12
N63-17081	15-20	NWL-184
N63-17082	15-15	AFCRL-63-4
N63-17083	15-25	AFCRL-62-949/SUPPL.
N63-17084	15-25	NO REPORT NUMB
N63-17085	15-09	AFCRL-63-4
N63-17086	15-08	SB-62-
N63-17087	15-17	SB-62-
N63-17088	15-06	SB-62-
N63-17089	15-06	SB-62-
N63-17090	15-20	R-16
N63-17091	15-20	R-16
N63-17092	15-16	AAL-TDR-62-1
N63-17093	15-16	AAL-TDR-62-5
N63-17094	15-16	AAL-TDR-62-5
N63-17095	15-16	AAL-TDR-62-6
N63-17096	15-16	AAL-TDR-62-6
N63-17097	15-16	AAL-TDR-62-6
N63-17098	15-17	AAL-TN-63-
N63-17099	15-11	DIT-125-
N63-17100	15-20	CM-102
N63-17101	15-24	RM-3527-NAS
N63-17102	15-06	TCREC-TR-62-9
N63-17103	15-20	WAPD-TM-36
N63-17104	15-28	NASA-TM-X-5001
N63-17105	15-29	NASA-TN-D-166
N63-17106	15-12	NO REPORT NUMBE
N63-17107	15-23	NO REPORT NUMBE
N63-17108	15-05	NO REPORT NUMBE
N63-17109	15-15	NO REPORT NUMBE
N63-17110	15-12	NO REPORT NUMBE
N63-17111	15-23	NO REPORT NUMBE
N63-17112	15-12	NO REPORT NUMBE
N63-17113	15-28	NO REPORT NUMBE
N63-17114	15-12	NO REPORT NUMBE
N63-17115	15-28	NO REPORT NUMBE
N63-17116	15-25	RADC-TDR-63-14
N63-17117	15-17	WADD-TR-61-91, PT. III
N63-17118	15-20	RADC-TDR-63-13
N63-17119	15-20	NASA-TN-D-175
N63-17120	15-04	ARC-R&M-331
N63-17121	15-04	ARC-R&M-329
N63-17122	15-20	ARC-R&M-332
N63-17123	15-07	NASA-CR-5030
N63-17124	15-20	RIAS-TR-63-
N63-17125	15-11	NASA-CR-5025
N63-17126	15-25	LNF-63/2
N63-17127	15-25	LMSC-6-90-63-2
N63-17128	15-10	NOTS-1938, REV.
N63-17129	15-25	AROD-2334-3
N63-17130	15-25	NO REPORT NUMBER
N63-17131	15-18	ARF-8765-2
N63-17132	15-12	AFCRL-63-47
N63-17133	15-29	NASA-CR-5014
N63-17134	15-12	NASA-CR-5017
N63-17135	15-11	R-27
N63-17136	15-23	R-22
N63-17137	15-12	NASA-CR-5019
N63-17138	15-17	R-20
N63-17139	15-21	NASA-CR-5017
N63-17140	15-09	NASA-CR-5017
N63-17141	15-12	NASA-TN-D-176
N63-17142	15-20	NRL-582
N63-17143	15-20	NASA-TN-D-176
N63-17144	15-02	ARC-CP-62
N63-17145	15-20	ARC-CP-61
N63-17146	15-17	ARC-CP-62
N63-17147	15-25	NO REPORT NUMBER
N63-17148	15-06	NO REPORT NUMBER
N63-17149	15-15	R-27
N63-17150	15-01	NO REPORT NUMBER
N63-17151	15-23	AROD-3764-1
N63-17152	15-29	NASA-CR-5001
N63-17153	15-12	NASA-CR-5018
N63-17154	15-18	NO REPORT NUMBER
N63-17155	15-12	NO REPORT NUMBER
N63-17156	15-18	UCRL-1070
N63-17157	15-12	NASA-CR-5029
N63-17158	15-11	R-27
N63-17159	15-04	NO REPORT NUMBER
N63-17160	15-24	NO REPORT NUMBER
N63-17161	15-12	NASA-CR-5015
N63-17162	15-08	NO REPORT NUMBER

N63-17163		ACC. NO. NOT USED
N63-17164		ACC. NO. NOT USED
N63-17165	15-04	NASA-TM-X-519
N63-17166	15-27	JPL-TR-32-352
N63-17167	15-32	NO REPORT NUMBER
N63-17168	15-28	NO REPORT NUMBER
N63-17169	15-19	R-229
N63-17170	15-05	NASA-CR-50142
N63-17171	15-28	NO REPORT NUMBER
N63-17172	15-12	NO REPORT NUMBER
N63-17173	15-11	MIT-TR-408
N63-17174	15-09	ILL-8-P
N63-17175	15-20	SAD-103
N63-17176	15-20	R63SD12
N63-17177	15-33	ARPA-E6
N63-17178	15-20	CRRP-1147
N63-17179	15-30	CARDE-TN-1559/63
N63-17180	15-11	RAD-TM-63-33
N63-17181	15-33	ASD-TDR-62-1030
N63-17182	15-34	NO REPORT NUMBER
N63-17183	15-33	IAS PAPER-63-26
N63-17184	15-27	NO REPORT NUMBER
N63-17185	15-27	NO REPORT NUMBER
N63-17186	15-23	UCRL-10720
N63-17187	15-07	RAI-303
N63-17188	15-11	AVCO-EVERETT RES. REPT.-145
N63-17189	15-13	AVCO-EVERETT RES. REPT.-143
N63-17190	15-12	NO REPORT NUMBER
N63-17191	15-23	NRL-5944
N63-17192	15-13	NO REPORT NUMBER
N63-17193	15-16	AAL-TDR-62-24
N63-17194	15-25	EUR-222.F
N63-17195	15-10	AFCRL-63-202
N63-17196	15-23	KAPL-2000-20
N63-17197	15-15	LAMS-2883
N63-17198	15-33	RAE-R-STRUCT-267
N63-17199	15-33	NASA-CR-50326
N63-17200	15-28	NASA-CR-50284
N63-17201	15-20	NASA-CR-50332
N63-17202	15-20	NASA-CR-50243
N63-17203	15-32	NASA-TM-X-50104
N63-17204	15-07	NASA-CR-50229
N63-17205	15-18	NASA-CR-50210
N63-17206	15-16	NASA-CR-50205
N63-17207	15-17	NASA-CR-50311
N63-17208	15-29	NASA-TN-D-1984
N63-17209	15-15	ARC-R&M-3301
N63-17210	15-11	NSL-63-21
N63-17211	15-32	SAO SPECIAL REPT.-115
N63-17212	15-23	NASA-CR-50132
N63-17213	15-18	NASA-CR-50094
N63-17214	15-29	JPL-TM-33-114
N63-17215	15-07	NASA-CR-50200
N63-17216	15-29	NASA-CR-50149
N63-17217	15-20	NASA-CR-50215
N63-17218	15-18	NASA-CR-50154
N63-17219	15-07	U-2062
N63-17220	15-17	NASA-CR-50341
N63-17221	15-33	NASA-CR-50365
N63-17222		ACC. NO. NOT USED
N63-17223	15-17	NASA-CR-50342
N63-17224	15-24	RM-3671-PR
N63-17225	15-23	NASA-CR-50041
N63-17226	15-29	JPL-TM-33-111
N63-17227	15-27	NO REPORT NUMBER
N63-17228	15-20	MH-MPG-1529-TR4
N63-17229		ACC. NO. NOT USED
N63-17230	15-23	NASA-CR-50350
N63-17231	15-20	NASA-CR-50348
N63-17232	15-20	BRL-MEMO-1467
N63-17233	15-15	ARL/SM-276
N63-17234	15-10	ERDA-24
N63-17235	15-07	ASD-TDR-63-290
N63-17236	15-29	NO REPORT NUMBER
N63-17237	15-01	EUR-194.D
N63-17238	15-15	NO REPORT NUMBER
N63-17239	15-33	NO REPORT NUMBER
N63-17240	15-23	UCRL-10563
N63-17241	15-20	ARAP-49, PT. 1
N63-17242	15-20	ARAP-49, PT. II
N63-17243	15-20	ARAP-48
N63-17244	15-05	STL-TRANS-71
N63-17245	15-17	NAA-SR-7455
N63-17246	15-33	TTRI-56
N63-17247	15-20	TTRI-58
N63-17248	15-32	NO REPORT NUMBER
N63-17249	15-23	ORNL-3425
N63-17250	15-13	NAA-SR-7875
N63-17251	15-18	TID-7620 /PT. 1/
N63-17252	15-01	NO REPORT NUMBER
N63-17253	15-02	NASA-TM-X-169
N63-17254	15-02	NASA-TM-X-249
N63-17255	15-02	NASA-TM-X-240
N63-17256	15-20	EID-64
N63-17257	15-23	GA-3542
N63-17258	15-27	NO REPORT NUMBER
N63-17259	15-13	TID-17792
N63-17260	15-09	NO REPORT NUMBER
N63-17261	15-20	LAMS-2856
N63-17262	15-29	NO REPORT NUMBER
N63-17263	15-18	NO REPORT NUMBER
N63-17264	15-18	NO REPORT NUMBER
N63-17265	15-16	UCLA-512
N63-17266	15-01	NASA-CR-50104
N63-17267	15-17	NO REPORT NUMBER
N63-17268	15-17	NO REPORT NUMBER
N63-17269	15-17	NO REPORT NUMBER
N63-17270	15-17	NO REPORT NUMBER
N63-17271	15-17	NO REPORT NUMBER
N63-17272	15-33	NO REPORT NUMBER
N63-17273	15-33	NO REPORT NUMBER
N63-17274	15-33	NO REPORT NUMBER
N63-17275	15-14	NO REPORT NUMBER
N63-17276	15-14	NO REPORT NUMBER
N63-17277	15-16	NO REPORT NUMBER
N63-17278	15-20	NO REPORT NUMBER
N63-17279	15-09	NO REPORT NUMBER
N63-17280	15-06	NO REPORT NUMBER
N63-17281	15-09	NO REPORT NUMBER
N63-17282	15-31	NO REPORT NUMBER
N63-17283	15-20	NO REPORT NUMBER
N63-17284	15-20	NO REPORT NUMBER
N63-17285	15-08	NO REPORT NUMBER
N63-17286	15-17	NO REPORT NUMBER
N63-17287	15-09	NO REPORT NUMBER
N63-17288	15-17	NO REPORT NUMBER
N63-17289	15-01	NO REPORT NUMBER
N63-17290	15-06	NO REPORT NUMBER
N63-17291	15-06	NO REPORT NUMBER
N63-17292	15-32	NO REPORT NUMBER
N63-17293	15-17	NO REPORT NUMBER
N63-17294	15-10	NO REPORT NUMBER
N63-17295	15-17	NO REPORT NUMBER
N63-17296	15-17	NO REPORT NUMBER
N63-17297	15-06	NO REPORT NUMBER
N63-17298	15-09	NO REPORT NUMBER
N63-17299	15-20	NO REPORT NUMBER
N63-17300	15-20	NO REPORT NUMBER
N63-17301	15-02	NASA-TN-D-1793
N63-17302	15-02	NASA-TN-D-1823
N63-17303	15-33	NO REPORT NUMBER
N63-17304	15-18	ASD-TDR-62-732
N63-17305	15-01	ANL-6646
N63-17306	15-16	NO REPORT NUMBER
N63-17307	15-23	NO REPORT NUMBER
N63-17308	15-23	NO REPORT NUMBER
N63-17309	15-23	NO REPORT NUMBER
N63-17310	15-21	NO REPORT NUMBER
N63-17311	15-12	GCA-TR-62-11-N
N63-17312	15-28	GCA-TR-62-14-N
N63-17313	15-07	GCA-TR-62-15-N
N63-17314	15-05	GCA-TR-63-1-N
N63-17315	15-23	GCA-TR-63-2-N
N63-17316	15-07	GCA-TR-63-3-N
N63-17317	15-12	GCA-TR-63-4-N
N63-17318	15-12	GCA-TR-63-11-N
N63-17319	15-01	GCA-TR-63-12-N
N63-17320	15-07	GCA-TR-63-13-N
N63-17321	15-23	DASA-1357/IV/
N63-17322	15-23	NO REPORT NUMBER
N63-17323	15-23	NO REPORT NUMBER
N63-17324	15-23	NO REPORT NUMBER
N63-17325	15-23	NO REPORT NUMBER
N63-17326	15-23	NO REPORT NUMBER
N63-17327	15-23	NO REPORT NUMBER
N63-17328	15-15	NADC-MA-6119
N63-17329	15-16	NADC-MA-6303
N63-17330	15-28	CR-48
N63-17331	15-11	TDR-169/3230-12/TN-7
N63-17332	15-18	IDO-28605
N63-17333	15-24	PIBMRI-1151-63
N63-17334	15-23	NO REPORT NUMBER
N63-17335	15-21	NASA-CR-50193
N63-17336	15-08	JPL-TM-33-85
N63-17337	15-07	NASA-CR-50118
N63-17338	15-23	NASA-CR-50211
N63-17339	15-24	NASA-CR-50239
N63-17340	15-18	NASA-TN-D-1785
N63-17341	15-05	NASA-CR-50327
N63-17342	15-20	MTP-P&VE-F-62-12

N63-17343		ACC. NO. NOT USED
N63-17344	15-20	NYO-10426
N63-17345	15-05	NO REPORT NUMBER
N63-17346	15-16	AAL-TDR-62-13
N63-17347	15-16	AAL-TDR-62-15
N63-17348	15-16	AAL-TDR-62-16
N63-17349	15-16	AAL-TDR-62-18
N63-17350	15-25	NO REPORT NUMBER
N63-17351	15-09	ONR-14
N63-17352	15-10	NO REPORT NUMBER
N63-17353	15-17	NO REPORT NUMBER
N63-17354	15-17	NO REPORT NUMBER
N63-17355	15-09	NO REPORT NUMBER
N63-17356	15-09	NO REPORT NUMBER
N63-17357	15-09	NO REPORT NUMBER
N63-17358	15-09	NO REPORT NUMBER
N63-17359	15-09	NO REPORT NUMBER
N63-17360	15-09	NO REPORT NUMBER
N63-17361	15-09	NO REPORT NUMBER
N63-17362	15-10	NO REPORT NUMBER
N63-17363	15-20	NO REPORT NUMBER
N63-17364	15-17	NO REPORT NUMBER
N63-17365	15-06	NO REPORT NUMBER
N63-17366	15-09	NO REPORT NUMBER
N63-17367	15-17	NO REPORT NUMBER
N63-17368	15-09	NO REPORT NUMBER
N63-17369	15-17	NO REPORT NUMBER
N63-17370	15-17	NO REPORT NUMBER
N63-17371	15-09	NO REPORT NUMBER
N63-17372	15-09	NO REPORT NUMBER
N63-17373	15-09	NO REPORT NUMBER
N63-17374	15-09	NO REPORT NUMBER
N63-17375	15-09	NO REPORT NUMBER
N63-17376	15-09	NO REPORT NUMBER
N63-17377	15-23	NO REPORT NUMBER
N63-17378	15-09	W-J-63-615R6
N63-17379	15-07	TID-7641
N63-17380	15-08	AFCRL-62-975
N63-17381	15-10	AERE-M-963
N63-17382	15-11	NO REPORT NUMBER
N63-17383	15-25	NO REPORT NUMBER
N63-17384		ACC. NO. NOT USED
N63-17385	15-20	AROD-2934-9
N63-17386	15-07	NLCO-881
N63-17387	15-04	NO REPORT NUMBER
N63-17388	15-25	AFCRL-63-113
N63-17389	15-26	NO REPORT NUMBER
N63-17390	15-26	NO REPORT NUMBER
N63-17391	15-26	NO REPORT NUMBER
N63-17392	15-32	NO REPORT NUMBER
N63-17393	15-18	EUR-86.D
N63-17394	15-14	NO REPORT NUMBER
N63-17395	15-24	ARL-63-54
N63-17396	15-23	AID-B-63-84
N63-17397	15-23	AID-P-63-85
N63-17398	15-24	MATT-192
N63-17399	15-07	RM-3677-PR
N63-17400	15-02	D1-82-0242
N63-17401	15-32	NO REPORT NUMBER
N63-17402	15-32	NO REPORT NUMBER
N63-17403	15-32	NO REPORT NUMBER
N63-17404	15-32	NO REPORT NUMBER
N63-17405	15-32	NO REPORT NUMBER
N63-17406	15-30	NO REPORT NUMBER
N63-17407	15-10	NO REPORT NUMBER
N63-17408	15-10	NO REPORT NUMBER
N63-17409	15-32	NO REPORT NUMBER
N63-17410	15-30	NO REPORT NUMBER
N63-17411	15-30	NO REPORT NUMBER
N63-17412	15-14	NO REPORT NUMBER
N63-17413	15-10	NO REPORT NUMBER
N63-17414	15-10	NO REPORT NUMBER
N63-17415	15-10	NO REPORT NUMBER
N63-17416	15-14	NO REPORT NUMBER
N63-17417	15-04	NO REPORT NUMBER
N63-17418	15-30	NO REPORT NUMBER
N63-17419	15-09	RADC-TDR-63-194
N63-17420	15-17	NA-27-0001
N63-17421	15-09	RADC-TDR-63-146
N63-17422	15-15	AFCRL-63-415
N63-17423	15-12	AFCRL-63-245
N63-17424	15-08	NO REPORT NUMBER
N63-17425	15-01	R-RD-1539-TR1
N63-17426	15-07	UNC-5028
N63-17427	15-18	GEAP-4139
N63-17428	15-07	GA-3349
N63-17429	15-18	NASA-TM-X-884
N63-17430	15-26	NO REPORT NUMBER
N63-17431	15-07	WADD-TR-60-646, PT. II
N63-17432	15-11	NO REPORT NUMBER
N63-17433	15-06	SB-62-51
N63-17434	15-16	SAM-TDR-63-1
N63-17435	15-15	SAM-TDR-63-2
N63-17436	15-18	GA-3585
N63-17437	15-12	AFCRL-63-48
N63-17438	15-22	NO REPORT NUMBE
N63-17439	15-15	AFCRL-63-43
N63-17440	15-07	BMI-1624/DEL.
N63-17441	15-20	BRL-1194
N63-17442	15-16	ORNL-3115
N63-17443	15-06	NAA-SR-714
N63-17444	15-15	MATT-18
N63-17445	15-23	BAW-216
N63-17446	15-21	MSL-10, SUPPL.
N63-17447	15-20	SB-63-13
N63-17448	15-09	EID-66
N63-17449	15-08	SAD-11
N63-17450	15-03	NASA-TM-X-273
N63-17451	15-20	NO REPORT NUMBER
N63-17452	15-20	RM-2997-PR
N63-17453	15-07	BM-RI-6248
N63-17454	15-07	BM-RI-6251
N63-17455	15-05	NASA-TM-X-814
N63-17456	15-01	HW-76559
N63-17457	15-11	GDA63-0240
N63-17458	15-01	NO REPORT NUMBER
N63-17459	15-07	HASL-134
N63-17460	15-18	GEAP-3999
N63-17461	15-07	UNC-5048
N63-17462	15-18	ARL-63-37
N63-17463	15-11	AVCO-EVERETT RES. REPT.-152
N63-17464	15-02	NASA-TM-X-239
N63-17465	15-04	NASA-TM-X-268
N63-17466	15-06	NACA-RM-E57J29
N63-17467	15-15	CERN-63-10
N63-17468	15-25	CERN-63-11
N63-17469	15-15	CERN-63-17
N63-17470	15-15	ARL-63-58
N63-17471	15-23	ARL-63-63
N63-17472	15-33	T&AM-248
N63-17473	15-06	FA-R-1641
N63-17474	15-24	AFCRL-63-123
N63-17475	15-07	NO REPORT NUMBER
N63-17476	15-07	HW-77291
N63-17477	15-23	NAA-SR-7541
N63-17478	15-11	NYO-10427
N63-17479	15-07	NRL-5932
N63-17480	16-07	NO REPORT NUMBER
N63-17481	16-24	MATT-191
N63-17482	16-07	Q-B2089-1
N63-17483	16-16	NASA-CR-50351
N63-17484	16-12	NASA-CR-50330
N63-17485	16-20	NASA-CR-50241
N63-17486	16-23	RM-3089-PR
N63-17487	16-09	AFCRL-63-138
N63-17488	16-11	UCRL-10696
N63-17489		ACC. NO. NOT USED
N63-17490	16-10	AMRL-TDR-63-15
N63-17491	16-16	AMRL-TDR-63-30
N63-17492	16-16	AMRL-TDR-63-31
N63-17493	16-33	UTIA-84
N63-17494	16-09	NSF-3
N63-17495	16-25	AFCRL-63-74
N63-17496	16-23	EUR-231.D
N63-17497	16-06	SID-63-39
N63-17498	16-04	TRECOM-TR-63-18
N63-17499	16-04	HSR-RR-62/8-MK-X
N63-17500	16-08	R63ELS-6
N63-17501	16-10	NO REPORT NUMBER
N63-17502	16-12	LAMONT GEOL. OBS. CONTR.-606
N63-17503	16-01	NO REPORT NUMBER
N63-17504	16-32	NASA-TN-D-1771
N63-17505	16-08	IER SER. 60, ISSUE 472
N63-17506	16-17	AFCRL-63-78
N63-17507	16-20	AFCRL-63-132
N63-17508	16-16	DASA-1325
N63-17509	16-05	AD-294683
N63-17510	16-09	NO REPORT NUMBER
N63-17511	16-26	E104-63
N63-17512	16-11	PR-104-P
N63-17513	16-25	AROD-2916-1
N63-17514	16-13	NASA-TN-D-1656
N63-17515	16-07	KAPL-2257
N63-17516	16-24	NO REPORT NUMBER
N63-17517	16-27	NO REPORT NUMBER
N63-17518	16-32	NO REPORT NUMBER
N63-17519	16-32	NO REPORT NUMBER
N63-17520	16-22	NO REPORT NUMBER
N63-17521	16-08	NO REPORT NUMBER
N63-17522	16-01	R-452.23-63

N63-17523	16-02	ARC-R&M-3306
N63-17524	16-11	DEL-13-P
N63-17525	16-20	NO REPORT NUMBER
N63-17526	16-25	ONR-TR-49
N63-17527	16-21	ERDA-29
N63-17528	16-15	SSD-TDR-63-146
N63-17529	16-11	SSD-TDR-63-72
N63-17530	16-07	GER-11012
N63-17531	16-20	RM-2553-PR
N63-17532	16-07	RIA-63-1242
N63-17533	16-04	NO REPORT NUMBER
N63-17534	16-26	NO REPORT NUMBER
N63-17535	16-11	AFOSR-4662
N63-17536	16-11	NO REPORT NUMBER
N63-17537	16-09	UCRL-6886, REV. 1
N63-17538	16-20	ORNL-3447
N63-17539	16-11	PR-105-P
N63-17540	16-05	AFCRL-63-648
N63-17541	16-12	FFIT-E-2
N63-17542	16-26	NO REPORT NUMBER
N63-17543	16-08	ORA-63-8
N63-17544	16-07	NASA-TN-D-1885
N63-17545	16-02	NASA-TN D-1947
N63-17546	16-07	RAI-320
N63-17547	16-32	NASA-TN-D-1750
N63-17548	16-07	NASA-TN-D-1808
N63-17549	16-27	NASA-TN-D-1681
N63-17550	16-05	NASA-TN-D-1844
N63-17551	16-11	NASA-TR R-138
N63-17552	16-20	NASA-TN-D-1085
N63-17553	16-24	MATT-185
N63-17554	16-33	GEMP-23A
N63-17555	16-16	SAM-TDR-62-151
N63-17556	16-18	CW-R&DL-31
N63-17557	16-02	UTIA-TN-63
N63-17558	16-24	UTIA-TN-52
N63-17559	16-17	EUR-251.F
N63-17560	16-17	EUR-252.F
N63-17561	16-18	EUR-272.F
N63-17562	16-18	BM-RI-5701
N63-17563	16-20	ASD-TDR-62-860
N63-17564	16-07	MIT-TR-179
N63-17565		ACC. NO. NOT USED
N63-17566	16-12	AFCRL-62-1136
N63-17567	16-20	SLAC-15
N63-17568	16-04	TCREC-TR-62-33
N63-17569	16-18	UCRL-7284
N63-17570	16-20	SCR-222A
N63-17571	16-20	ARAP-6-R
N63-17572	16-20	ARL-31, PT. II
N63-17573	16-08	SEL-63-041
N63-17574	16-21	AFCRL-63-496
N63-17575	16-11	ARL/A-204
N63-17576	16-20	ARAP-7-P-1
N63-17577	16-20	ARAP-7-P-2
N63-17578	16-03	ARA WIND TUNNEL NOTE-48
N63-17579	16-20	MSL-11
N63-17580	16-05	NO REPORT NUMBER
N63-17581	16-18	NO REPORT NUMBER
N63-17582	16-23	SRI-TR-75
N63-17583	16-16	AMRL-TDR-63-32
N63-17584	16-14	AMRL-TDR-63-26
N63-17585	16-14	AMRL-TDR-63-33
N63-17586	16-22	NO REPORT NUMBER
N63-17587	16-18	DMIC-182
N63-17588	16-29	AFCRL-63-649
N63-17589	16-08	AFCRL-63-60
N63-17590	16-24	MATT-196
N63-17591	16-15	NRL-5938
N63-17592	16-02	RF-TR-63-14
N63-17593	16-08	ARL-63-48
N63-17594	16-16	NO REPORT NUMBER
N63-17595	16-11	JPC-348
N63-17596	16-01	FFA-94
N63-17597	16-12	AFCRL-63-659
N63-17598	16-26	NO REPORT NUMBER
N63-17599	16-11	NO REPORT NUMBER
N63-17600	16-03	UTIA-90
N63-17601	16-11	BRL-1202
N63-17602	16-23	R63SD3
N63-17603	16-07	NO REPORT NUMBER
N63-17604	16-33	TRECOM-TR-63-9
N63-17605	16-25	ONR-TR-51
N63-17606	16-34	AFFTC-TR-60-43, VOL. IV
N63-17607	16-16	NO REPORT NUMBER
N63-17608	16-25	AFCRL-63-65
N63-17609	16-25	AF-105
N63-17610	16-17	SPS-949
N63-17611	16-23	IDO-16890
N63-17612	16-08	NO REPORT NUMBER
N63-17613	16-16	USNRDL-TR-644
N63-17614	16-25	TID-17912
N63-17615	16-07	AFCRL-63-610
N63-17616	16-02	DVL-278
N63-17617	16-25	UCRL-7267
N63-17618	16-15	IDO-16852
N63-17619	16-23	UCRL-10752, SUPPL.
N63-17620	16-01	NO REPORT NUMBER
N63-17621	16-18	BM-RI-6232
N63-17622	16-12	AFCRL-63-654
N63-17623	16-25	ML-1028
N63-17624	16-12	PSU-SR-190
N63-17625	16-24	NOLTR-62-186
N63-17626	16-33	UTIA-23
N63-17627	16-09	RADC-TDR-63-128
N63-17628	16-23	PA-TR-3070
N63-17629	16-20	AFCRL-63-95
N63-17630	16-20	AFCRL-63-105
N63-17631	16-01	NO REPORT NUMBER
N63-17632	16-08	NO REPORT NUMBER
N63-17633	16-12	AFCRL-63-296
N63-17634	16-14	ESD-TDR-63-134
N63-17635	16-24	NSF-TR-4
N63-17636	16-19	SB-62-27
N63-17637	16-33	SB-62-37
N63-17638	16-24	SB-62-20
N63-17639	16-30	SB-61-68
N63-17640	16-15	SB-62-34
N63-17641	16-23	SB-62-44
N63-17642	16-10	SC-4905/RR/
N63-17643	16-10	EID-12
N63-17644	16-08	AFCRL-63-119
N63-17645	16-12	NO REPORT NUMBER
N63-17646	16-12	RM-3642-PR
N63-17647	16-23	NWL-1854
N63-17648	16-07	AAL-TDR-62-40
N63-17649	16-16	AAL-TDR-62-19
N63-17650	16-16	AAL-TDR-62-30
N63-17651	16-20	BRL-MEMO-1460
N63-17652	16-07	NO REPORT NUMBER
N63-17653	16-16	WRU-110
N63-17654	16-17	NO REPORT NUMBER
N63-17655	16-28	R-63-8, PT. I
N63-17656	16-29	NO REPORT NUMBER
N63-17657	16-34	NO REPORT NUMBER
N63-17658	16-18	NO REPORT NUMBER
N63-17659	16-24	NO REPORT NUMBER
N63-17660	16-31	NO REPORT NUMBER
N63-17661	16-20	NO REPORT NUMBER
N63-17662	16-11	NO REPORT NUMBER
N63-17663	16-33	NO REPORT NUMBER
N63-17664	16-05	R-143-PR
N63-17665	16-20	RN-154
N63-17666	16-16	AMRL-TDR-63-20
N63-17667	16-18	ASD-TDR-62-888
N63-17668	16-10	AGARDOGRAPH-66, AMENDED
N63-17669	16-09	NO REPORT NUMBER
N63-17670	16-34	ASRMDS-TM-62-4
N63-17671	16-33	RE-163
N63-17672	16-18	ASD-TDR-62-354, PT. II
N63-17673	16-20	RN-153
N63-17674	16-16	AMRL-TDR-63-28
N63-17675	16-24	NO REPORT NUMBER
N63-17676	16-13	AFCRL-62-640
N63-17677	16-11	TDR-169/3230-12/TN-3
N63-17678	16-24	TDR-169/3230-12/TN-2
N63-17679	16-11	FLD-9
N63-17680	16-33	BRL-1179
N63-17681	16-24	ATN-63/9227/-1
N63-17682	16-13	ASD-TR-61-187, PT. II
N63-17683	16-17	MTI-62TR34
N63-17684	16-17	MTI-241/1-63/
N63-17685	16-11	AFCRL-63-127
N63-17686	16-20	AEDC-TDR-62-61
N63-17687	16-16	NO REPORT NUMBER
N63-17688	16-20	PIBMRI-1158-63
N63-17689	16-18	WADD-TR-60-889, PT. II
N63-17690	16-23	BM-RI-6245
N63-17691	16-07	NO REPORT NUMBER
N63-17692	16-33	BRL-MEMO-1461
N63-17693	16-10	FIC-TIR-63-2001
N63-17694	16-21	AFCRL-63-250
N63-17695	16-18	NAA-SR-6246
N63-17696	16-23	NO REPORT NUMBER
N63-17697	16-29	NO REPORT NUMBER
N63-17698	16-20	NASA-CR-50235
N63-17699	16-20	NO REPORT NUMBER
N63-17700	16-15	NO REPORT NUMBER
N63-17701	16-16	AAL-TDR-62-6
N63-17702	16-25	GEMP-200

N63-17703	16-28	IGY SOLAR ACT. REPT. SER.-17A
N63-17704	16-11	SC-4777/RR/
N63-17705	16-07	UCRL-10706
N63-17706	16-32	NO REPORT NUMBER
N63-17707	16-18	NO REPORT NUMBER
N63-17708		ACC. NO. NOT USED
N63-17709	16-20	NO REPORT NUMBER
N63-17710	16-12	NO REPORT NUMBER
N63-17711	16-20	RADC-TDR-62-499
N63-17712	16-33	SURI-TR-834-5
N63-17713	16-08	TR-364
N63-17714	16-07	BM-RI-6249
N63-17715	16-01	REIC-MEMO-24
N63-17716	16-10	AID-P-63-79
N63-17717	16-07	ONR-TR-52
N63-17718	16-15	NO REPORT NUMBER
N63-17719	16-05	NO REPORT NUMBER
N63-17720	16-15	AFCRL-63-635
N63-17721	16-33	MRG-286
N63-17722	16-12	RM-63TMP-3
N63-17723	16-07	PNE-225P
N63-17724	16-20	NO REPORT NUMBER
N63-17725	16-07	NO REPORT NUMBER
N63-17726	16-20	DIT-125-3
N63-17727	16-11	ORA-63-9
N63-17728	16-06	NASA-CR-50204
N63-17729	16-16	NASA-CR-50206
N63-17730	16-07	NASA-CR-50226
N63-17731	16-23	TN-76
N63-17732	16-16	NO REPORT NUMBER
N63-17733	16-29	NO REPORT NUMBER
N63-17734	16-30	NO REPORT NUMBER
N63-17735	16-08	NO REPORT NUMBER
N63-17736	16-15	GEMP-77
N63-17737	16-16	SAM-TDR-63-8
N63-17738	16-20	NO REPORT NUMBER
N63-17739	16-28	SUI-63-5
N63-17740	16-18	NO REPORT NUMBER
N63-17741	16-12	NO REPORT NUMBER
N63-17742	16-24	NO REPORT NUMBER
N63-17743	16-32	NO REPORT NUMBER
N63-17744	16-12	NO REPORT NUMBER
N63-17745	16-12	NO REPORT NUMBER
N63-17746	16-18	T&AM-245
N63-17747	16-18	NO REPORT NUMBER
N63-17748	16-08	AFCRL-62-932
N63-17749	16-15	NO REPORT NUMBER
N63-17750	16-12	NO REPORT NUMBER
N63-17751	16-10	DTMB-1690
N63-17752	16-21	AFCRL-63-413
N63-17753	16-29	SB-62-15
N63-17754		ACC. NO. NOT USED
N63-17755	16-21	NO REPORT NUMBER
N63-17756	16-11	AEDC-TDR-63-143
N63-17757	16-12	NO REPORT NUMBER
N63-17758	16-32	NO REPORT NUMBER
N63-17759	16-01	NO REPORT NUMBER
N63-17760	16-10	HSA-85
N63-17761	16-11	BRL-1196
N63-17762	16-14	ESD-TDR-63-343
N63-17763	16-20	NO REPORT NUMBER
N63-17764	16-11	AGARD-399
N63-17765	16-24	R63SD43
N63-17766	16-29	R63SD30
N63-17767	16-20	RM-3611-ARPA
N63-17768	16-25	EGG-B-2462
N63-17769	16-25	TID-18636
N63-17770	16-20	AGARDOGRAPH-44
N63-17771	16-15	ORNL-3442
N63-17772	16-23	EUR-122.E
N63-17773	16-23	BNL-400, VOL. I
N63-17774	16-11	NO REPORT NUMBER
N63-17775	16-11	ARL-63-73
N63-17776	16-23	NO REPORT NUMBER
N63-17777	16-23	NO REPORT NUMBER
N63-17778	16-23	NO REPORT NUMBER
N63-17779	16-23	NO REPORT NUMBER
N63-17780	16-23	NO REPORT NUMBER
N63-17781	16-23	NO REPORT NUMBER
N63-17782	16-23	NO REPORT NUMBER
N63-17783	16-21	AFCRL-63-435
N63-17784	16-21	NO REPORT NUMBER
N63-17785	16-21	NO REPORT NUMBER
N63-17786	16-21	NO REPORT NUMBER
N63-17787	16-21	NO REPORT NUMBER
N63-17788	16-21	NO REPORT NUMBER
N63-17789	16-21	NO REPORT NUMBER
N63-17790	16-21	NO REPORT NUMBER
N63-17791	16-21	NO REPORT NUMBER
N63-17792	16-05	NASA-CR-50238
N63-17793	16-05	NO REPORT NUMBER
N63-17794	16-05	NO REPORT NUMBER
N63-17795	16-33	AIAA PAPER-63-284
N63-17796	16-05	NO REPORT NUMBER
N63-17797	16-05	NO REPORT NUMBER
N63-17798	16-05	AIAA PAPER-63-253
N63-17799	16-20	AIAA PAPER-63-221
N63-17800	16-13	AIAA PAPER-63-241
N63-17801	16-31	AIAA PAPER-63-256
N63-17802	16-02	AIAA PAPER-63-174
N63-17803	16-29	AIAA PAPER-63-267
N63-17804	16-30	AIAA PAPER-63-260
N63-17805	16-06	AIAA PAPER-63-217
N63-17806	16-29	AIAA PAPER-63-255
N63-17807	16-27	AIAA PAPER-63-274
N63-17808	16-30	AIAA PAPER-63-271
N63-17809	16-29	NO REPORT NUMBER
N63-17810	16-18	AECL-1724
N63-17811	16-25	ARL-63-76
N63-17812	16-01	AIAA PAPER-63-285
N63-17813	16-27	AIAA PAPER-63-286
N63-17814	16-09	GA-4147
N63-17815	16-33	NO REPORT NUMBER
N63-17816	16-02	NO REPORT NUMBER
N63-17817	16-33	NO REPORT NUMBER
N63-17818	16-33	NO REPORT NUMBER
N63-17819	16-33	NO REPORT NUMBER
N63-17820	16-33	NO REPORT NUMBER
N63-17821	16-33	NO REPORT NUMBER
N63-17822	16-33	NO REPORT NUMBER
N63-17823	16-33	NO REPORT NUMBER
N63-17824	16-10	NO REPORT NUMBER
N63-17825	16-33	NO REPORT NUMBER
N63-17826	16-17	NO REPORT NUMBER
N63-17827	16-17	NO REPORT NUMBER
N63-17828	16-17	NO REPORT NUMBER
N63-17829	16-17	NO REPORT NUMBER
N63-17830	16-17	NO REPORT NUMBER
N63-17831	16-17	NO REPORT NUMBER
N63-17832	16-17	NO REPORT NUMBER
N63-17833	16-17	NO REPORT NUMBER
N63-17834	16-17	NO REPORT NUMBER
N63-17835	16-17	NO REPORT NUMBER
N63-17836	16-17	NO REPORT NUMBER
N63-17837	16-07	NO REPORT NUMBER
N63-17838	16-17	NO REPORT NUMBER
N63-17839	16-17	NO REPORT NUMBER
N63-17840	16-17	NO REPORT NUMBER
N63-17841	16-17	NO REPORT NUMBER
N63-17842	16-07	NO REPORT NUMBER
N63-17843	16-17	NO REPORT NUMBER
N63-17844	16-17	NO REPORT NUMBER
N63-17845	16-17	NO REPORT NUMBER
N63-17846	16-17	NO REPORT NUMBER
N63-17847	16-17	NO REPORT NUMBER
N63-17848	16-17	NO REPORT NUMBER
N63-17849	16-17	NO REPORT NUMBER
N63-17850	16-17	NO REPORT NUMBER
N63-17851	16-17	NO REPORT NUMBER
N63-17852	16-17	NO REPORT NUMBER
N63-17853	16-17	NO REPORT NUMBER
N63-17854	16-17	NO REPORT NUMBER
N63-17855	16-17	NO REPORT NUMBER
N63-17856	16-17	NO REPORT NUMBER
N63-17857	16-17	NO REPORT NUMBER
N63-17858	16-17	NO REPORT NUMBER
N63-17859	16-17	NO REPORT NUMBER
N63-17860	16-17	NO REPORT NUMBER
N63-17861	16-13	NO REPORT NUMBER
N63-17862	16-17	NO REPORT NUMBER
N63-17863	16-11	NO REPORT NUMBER
N63-17864	16-17	NO REPORT NUMBER
N63-17865	16-17	NO REPORT NUMBER
N63-17866	16-17	NO REPORT NUMBER
N63-17867	16-17	NO REPORT NUMBER
N63-17868	16-17	NO REPORT NUMBER
N63-17869	16-13	NO REPORT NUMBER
N63-17870	16-17	NO REPORT NUMBER
N63-17871	16-07	NO REPORT NUMBER
N63-17872	16-17	NO REPORT NUMBER
N63-17873	16-17	NO REPORT NUMBER
N63-17874	16-17	NO REPORT NUMBER
N63-17875	16-17	NO REPORT NUMBER
N63-17876	16-17	NO REPORT NUMBER
N63-17877	16-05	NO REPORT NUMBER
N63-17878	16-05	NO REPORT NUMBER
N63-17879	16-05	NO REPORT NUMBER
N63-17880	16-05	NO REPORT NUMBER
N63-17881	16-05	NO REPORT NUMBER
N63-17882	16-18	ASD-TDR-62-594, PT. II

63-17883	16-33	ASD-TDR-62-834
63-17884	16-20	BRL-1172
63-17885	16-07	BM-RI-6001
63-17886	16-07	BM-RI-5934
63-17887	16-07	BM-RI-6080
63-17888	16-18	BM-RI-5966
63-17889	16-07	BM-RI-5972
63-17890	16-07	BM-RI-5964
63-17891	16-11	NO REPORT NUMBER
63-17892	16-11	SSD-TDR-62-101
63-17893	16-25	ASD-TDR-63-138
63-17894	16-18	WADD-TR-60-893, PT. III
63-17895	16-24	ARL-63-62
63-17896	16-18	NO REPORT NUMBER
63-17897	16-08	VL-2262-13-0
63-17898	16-09	NO REPORT NUMBER
63-17899	16-13	RAD-TM-63-40
63-17900	16-18	NO REPORT NUMBER
63-17901	16-24	AFCRL-63-642
63-17902	16-15	AID-T-63-86
63-17903	16-05	NO REPORT NUMBER
63-17904	16-03	ARC-R&M-3315
63-17905	16-07	AFCRL-63-606
63-17906	16-02	NO REPORT NUMBER
63-17907	16-23	NO REPORT NUMBER
63-17908	16-23	USAELRDL-TR-2322
63-17909	16-12	NASA-CR-50393
63-17910	16-17	TR-1130
63-17911		ACC. NO. NOT USED
63-17912	16-21	NSSP-13
63-17913	16-25	ASD-TDR-63-208
63-17914	16-18	ANL-5674
63-17915	16-33	FPL-07
63-17916	16-07	NLCO-882
63-17917	16-15	SAD-98
63-17918		ACC. NO. NOT USED
63-17919	16-24	AIAA PAPER-63-202
63-17920	16-30	AIAA PAPER-63-237
63-17921	16-27	AIAA PAPER-63-227
63-17922	16-30	AIAA PAPER-63-176
63-17923	16-06	AIAA PAPER-63-243
63-17924	16-22	AIAA PAPER-63-222
63-17925	16-13	AIAA PAPER-63-179
63-17926	16-14	NASA-EP-11
63-17927	16-05	AID-T-63-82
63-17928	16-15	AFCRL-62-824
63-17929	16-08	RADC-TDR-63-207
63-17930	16-18	RIA-63-1835
63-17931	16-06	NO REPORT NUMBER
63-17932	16-06	ASD-TDR-62-1002
63-17933	16-08	RADC-TDR-63-147
63-17934	16-08	NO REPORT NUMBER
63-17935	16-08	NO REPORT NUMBER
63-17936	16-08	NO REPORT NUMBER
63-17937	16-08	NO REPORT NUMBER
63-17938	16-08	NO REPORT NUMBER
63-17939	16-08	NO REPORT NUMBER
63-17940	16-07	WADD-TR-60-782, PT. X
63-17941	16-27	TRECOM-TR-63-12
63-17942	16-23	NASA-CR-50448
63-17943	16-17	ADR-09-06B-62
63-17944	16-15	ADR-04-06-62.1
63-17945	16-17	CAL-NM-1559-P-4
63-17946	16-02	ARL-63-75
63-17947	16-23	LA-2877
63-17948	16-33	NO REPORT NUMBER
63-17949	16-25	SCDC-3045
63-17950	16-24	AMP-110
63-17951	16-08	NEL-1165
63-17952	16-14	NO REPORT NUMBER
63-17953	16-24	NO REPORT NUMBER
63-17954	16-14	NASA-CR-50221
63-17955	16-25	NASA-CR-50399
63-17956	16-18	WAL-TR-320.1/12
63-17957	16-23	NO REPORT NUMBER
63-17958	16-15	NASA-CR-50413
63-17959	16-07	AE-103
63-17960	16-23	IDO-28607
63-17961	16-11	GA-4313
63-17962	16-18	NAA-SR-8086
63-17963	16-23	ARL-63-128
63-17964	16-23	ARL-63-129
63-17965	16-23	ARL-63-130
63-17966	16-23	NASA-CR-50345
63-17967	16-30	NO REPORT NUMBER
63-17968	16-30	NO REPORT NUMBER
63-17969	16-30	NO REPORT NUMBER
63-17970	16-30	NO REPORT NUMBER
63-17971	16-30	NO REPORT NUMBER
63-17972	16-30	NO REPORT NUMBER
63-17973	16-30	NO REPORT NUMBER
63-17974	16-30	NO REPORT NUMBER
63-17975	16-18	NO REPORT NUMBER
63-17976	16-07	AFCRL-63-608
63-17977	16-07	NO REPORT NUMBER
63-17978	16-07	NO REPORT NUMBER
63-17979	16-07	NO REPORT NUMBER
63-17980	16-07	NO REPORT NUMBER
63-17981	16-07	NO REPORT NUMBER
63-17982	16-07	NO REPORT NUMBER
63-17983		ACC. NO. NOT USED
63-17984	16-32	ARA-T-9219-1
63-17985	16-16	ASD-TDR-62-685
63-17986	16-27	NACA-RM-E51D30
63-17987	16-04	NO REPORT NUMBER
63-17988	16-02	NASA-TM-X-292
63-17989	16-02	NASA-TM-X-361
63-17990	16-02	NASA-TM-X-291
63-17991	16-04	NASA-TM-X-232
63-17992	16-30	NASA-TM-X-233
63-17993	16-04	NASA-TM-X-334
63-17994	16-30	NASA-TM-X-336
63-17995	16-30	NASA-TM-X-350
63-17996	16-12	SC-4903/RR/
63-17997	16-19	NO REPORT NUMBER
63-17998	16-21	AFCRL-63-623
63-17999	16-01	BMI-1630
63-18000	16-09	UCRL-10654
63-18001	16-23	TID-18072
63-18002	16-18	SB-62-69
63-18003	16-27	UCRL-7145
63-18004	16-09	MIT-TR-411
63-18005	16-08	AFCRL-63-107
63-18006	16-09	AFCRL-63-108
63-18007	16-08	AFCRL-63-90
63-18008	16-08	AFCRL-63-106
63-18009	16-23	NO REPORT NUMBER
63-18010	16-23	NAA-SR-7400
63-18011	16-23	SB-63-6
63-18012	16-16	MRL-TDR-62-61
63-18013	16-18	AEC-TR-4506
63-18014	16-07	IDO-14605
63-18015	16-23	NASA-TN-D-1702
63-18016	16-18	NO REPORT NUMBER
63-18017	16-20	AROD-2800-11
63-18018	16-12	AFCRL-63-440
63-18019	16-03	ARL-63-81
63-18020	16-23	GA-3125
63-18021	16-23	ORNL-3421
63-18022	16-24	RM-3364-PR
63-18023	16-17	CAL-NM-1559-P-3
63-18024	16-23	ARL-63-87
63-18025	16-24	NUP-63-9
63-18026	16-17	CAL-NM-1559-P-2
63-18027	16-23	ANL-6739
63-18028	16-18	ASD-TDR-62-1086
63-18029	16-04	AMC-RG-TR-63-12
63-18030	16-20	TCEA-TN-11
63-18031	16-10	TCEA-TM-15
63-18032	16-19	JPL-SR-353-1
63-18033	16-19	NASA-CR-50338
63-18034	16-01	NASA-CR-50306
63-18035	16-29	NASA-CR-50331
63-18036	16-08	NASA-CR-50334
63-18037	16-26	NASA-CR-50313
63-18038	16-30	NASA-TM-X-433
63-18039	16-04	NASA-TM-X-448
63-18040	16-30	NASA-TM-X-459
63-18041	16-03	NACA-RM-L57D18A
63-18042	16-33	NASA-MEMO-5-18-59L
63-18043	16-18	NACA-RM-L58E14
63-18044	16-04	NACA-RM-L58E12A
63-18045	16-02	NACA-RM-E58E14
63-18046	16-04	NACA-RM-L58E16
63-18047	16-03	NACA-RM-H58E28
63-18048	16-23	GA-3007
63-18049	16-09	NASA-CR-50136
63-18050	16-12	NASA-CR-50116
63-18051	16-20	NO REPORT NUMBER
63-18052	16-13	NO REPORT NUMBER
63-18053	16-08	RADC-TDR-63-257
63-18054	16-33	RR-31
63-18055	16-24	NO REPORT NUMBER
63-18056	16-20	UCRL-10650
63-18057		ACC. NO. NOT USED
63-18058	16-18	NO REPORT NUMBER
63-18059	16-11	NO REPORT NUMBER
63-18060	16-04	NO REPORT NUMBER
63-18061	16-26	ASD-TDR-63-196
63-18062	16-10	HSA-81

N63-18063	16-25	NASA-CR-403
N63-18064	16-03	ARC-R&M-3305
N63-18065	16-04	NO REPORT NUMBER
N63-18066	16-01	DME/NAE-1963/1/
N63-18067	16-12	NO REPORT NUMBER
N63-18068	16-09	NO REPORT NUMBER
N63-18069	16-01	NO REPORT NUMBER
N63-18070	16-23	NYO-10271
N63-18071	16-30	NO REPORT NUMBER
N63-18072	16-16	FTD-TT-62-1553/1&4
N63-18073	16-07	MCW-1480
N63-18074	16-21	USAELRDL-TR-2321
N63-18075	16-25	C11-87
N63-18076	16-15	AFCRL-62-825
N63-18077	16-24	NSL-62-149-2
N63-18078	16-18	D6-7502-3
N63-18079	16-18	ASD-TDR-63-238
N63-18080	16-19	NO REPORT NUMBER
N63-18081	16-11	NO REPORT NUMBER
N63-18082	16-19	NO REPORT NUMBER
N63-18083	16-19	HR-63-252
N63-18084	16-09	NO REPORT NUMBER
N63-18085	16-09	NO REPORT NUMBER
N63-18086	16-09	NO REPORT NUMBER
N63-18087	16-17	PP-T-9672-1
N63-18088	16-18	ASD-TDR-63-361
N63-18089	16-16	AMRL-TDR-62-137
N63-18090	16-09	ESD-TDR-63-128
N63-18091	16-09	RADC-TDR-63-315
N63-18092	16-09	NO REPORT NUMBER
N63-18093	16-09	NO REPORT NUMBER
N63-18094	16-18	ADN-02-01-62.1
N63-18095	16-09	ADN-03-16-62.1
N63-18096	16-33	ADR-02-08-62.3
N63-18097	16-34	ADR-04-05-62.1
N63-18098	16-23	ADR-07-13-62.1
N63-18099	16-31	AFOSR/DRA-62-14
N63-18100	16-32	RAE-TRANS-1034
N63-18101	16-07	NO REPORT NUMBER
N63-18102	16-02	NO REPORT NUMBER
N63-18103	16-07	EXP-223/4
N63-18104	16-10	ASD-TDR-63-236
N63-18105	16-11	CAL-QM-1626-A-12/1/
N63-18106	16-10	ASD-TDR-63-230
N63-18107	16-11	ASD-TDR-62-792, VOL. I
N63-18108	16-18	NO REPORT NUMBER
N63-18109	16-22	NO REPORT NUMBER
N63-18110	16-11	GD/C-63-032
N63-18111	16-15	NO REPORT NUMBER
N63-18112	16-23	LA-2885
N63-18113	16-07	LA-2892
N63-18114	16-07	LAMS-2896
N63-18115	16-18	HW-74359, REV.
N63-18116	16-07	ASD-TDR-63-322
N63-18117	16-15	AEDC-TDR-63-134
N63-18118	16-02	BSD-TDR-63-78
N63-18119	16-29	DCAS-TDR-62-27
N63-18120	16-19	NRL-5945
N63-18121	16-17	E-1349
N63-18122	16-17	E-1222
N63-18123	16-34	SB-62-8
N63-18124	16-17	E-1312
N63-18125	16-12	WRE-TM-TRD-63
N63-18126	16-23	GA-3853
N63-18127	16-15	LA-2860
N63-18128	16-05	NASA-TN-D-1642
N63-18129	16-03	NASA-TN-D-1822
N63-18130	16-20	NASA-TN-D-1834
N63-18131	16-06	NASA-TN-D-1842
N63-18132	16-30	NASA-TN-D-1928
N63-18133	16-18	NASA-TN-D-1944
N63-18134	16-22	NASA-TN-D-1950
N63-18135	16-03	NASA-TN-D-1954
N63-18136	16-03	NASA-TN-D-1959
N63-18137	16-13	NASA-TR-R-104
N63-18138	16-33	NO REPORT NUMBER
N63-18139	16-11	NASA-CR-50495
N63-18140	16-07	AROD-2281-4
N63-18141	16-16	AMRL-TDR-63-9
N63-18142	16-33	NO REPORT NUMBER
N63-18143	16-07	NO REPORT NUMBER
N63-18144	16-17	PWA-2156
N63-18145	16-28	NO REPORT NUMBER
N63-18146	16-23	NYO-10269
N63-18147	16-23	NASA-CR-50343
N63-18148	16-25	AROD-3209-2
N63-18149	16-20	NO REPORT NUMBER
N63-18150	16-10	SLAC-10
N63-18151	16-23	RADC-TDR-63-201
N63-18152	16-12	AMS-TR-46
N63-18153	16-21	AFCRL-63-434
N63-18154	16-21	ERDA-33
N63-18155	16-31	ASRMCM-TM-63-1
N63-18156	16-21	ERDA-3
N63-18157	16-21	ERDA-3
N63-18158	16-33	NASA-CR-5048
N63-18159	16-17	NASA-CR-5055
N63-18160	16-20	NASA-TN-D-181
N63-18161	16-27	NASA-TN-D-183
N63-18162	16-13	NASA-TN-D-189
N63-18163	16-02	NASA-TN-D-193
N63-18164	16-19	NASA-CR-5044
N63-18165	16-12	NO REPORT NUMBER
N63-18166	16-10	NASA-CR-5022
N63-18167	16-28	NASA-CR-5041
N63-18168	16-07	NASA-CR-5036
N63-18169	16-12	NSF-63-14
N63-18170	16-09	RADC-TDR-63-22
N63-18171	16-20	AFCRL-63-13
N63-18172	16-07	LA-2841
N63-18173	16-04	NO REPORT NUMBER
N63-18174	16-13	NO REPORT NUMBER
N63-18175		ACC. NO. NOT USED
N63-18176	16-33	NASA-CR-5040
N63-18177	16-12	NASA-CR-5040
N63-18178	16-25	NASA-CR-5040
N63-18179	16-33	NASA-CR-5049
N63-18180	16-07	NAA-SR-7918
N63-18181	16-07	NO REPORT NUMBER
N63-18182	16-33	EM-13-14
N63-18183	16-20	APGC-TDR-63-3
N63-18184	16-27	BSD-TDR-63-118
N63-18185	16-23	NO REPORT NUMBER
N63-18186	16-18	ASD-TDR-62-479, PT. I
N63-18187	16-21	TG-189
N63-18188	16-30	SL-63-033
N63-18189	16-15	RADC-TDR-63-29
N63-18190	16-18	NO REPORT NUMBER
N63-18191	16-08	RADC-TDR-63-170
N63-18192	16-02	SSD-TDR-63-119
N63-18193	16-13	DMIC-MEMO-167
N63-18194	16-29	NO REPORT NUMBER
N63-18195	16-34	NBS-MONOGRAPH-42
N63-18196	16-23	FTD-TT-62-213/1&264
N63-18197	16-23	NO REPORT NUMBER
N63-18198	16-23	NO REPORT NUMBER
N63-18199	16-23	NO REPORT NUMBER
N63-18200	16-11	NO REPORT NUMBER
N63-18201	16-11	PR-9
N63-18202	16-33	DOMIIT-1-24
N63-18203	16-30	TG-502
N63-18204	16-09	AFCRL-63-68
N63-18205	16-27	NASA-CR-5062
N63-18206	16-27	NASA-CR-5062
N63-18207	16-27	NASA-CR-5065
N63-18208	16-27	NASA-CR-5063
N63-18209	16-23	NASA-TN-D-1731
N63-18210	16-30	NASA-TN-D-1922
N63-18211	16-33	NASA-TN-D-1935
N63-18212	17-02	SB-62-61
N63-18213	17-17	SB-63-49
N63-18214	17-15	AIAA PAPER-63-187
N63-18215	17-15	AIAA PAPER-63-211
N63-18216	17-31	AIAA PAPER-63-247
N63-18217	17-16	AID-996
N63-18218	17-33	NO REPORT NUMBER
N63-18219	17-29	NO REPORT NUMBER
N63-18220	17-21	NO REPORT NUMBER
N63-18221	17-21	NO REPORT NUMBER
N63-18222	17-08	NO REPORT NUMBER
N63-18223	17-15	NO REPORT NUMBER
N63-18224	17-10	NO REPORT NUMBER
N63-18225	17-21	NO REPORT NUMBER
N63-18226	17-33	SM-62-8
N63-18227	17-09	NO REPORT NUMBER
N63-18228	17-13	AERONAUTICAL ENG. REPT.-651
N63-18229	17-07	NO REPORT NUMBER
N63-18230	17-20	EUR-282.F
N63-18231		ACC. NO. NOT USED
N63-18232	17-23	NASA-TN-D-1741
N63-18233	17-07	NASA-TN-D-1744
N63-18234	17-03	NASA-TN-D-1824
N63-18235	17-04	NASA-TN-D-1925
N63-18236	17-01	NASA-CR-50486
N63-18237	17-16	NO REPORT NUMBER
N63-18238	17-23	NO REPORT NUMBER
N63-18239	17-16	NO REPORT NUMBER
N63-18240	17-23	NO REPORT NUMBER
N63-18241	17-23	NO REPORT NUMBER
N63-18242	17-23	NO REPORT NUMBER

63-18243	17-23	NO REPORT NUMBER
63-18244	17-23	NO REPORT NUMBER
63-18245	17-20	ANL-6709
63-18246	17-14	D7123-953002
63-18247	17-24	TDR-169/3713-01/TR-1
63-18248	17-30	NO REPORT NUMBER
63-18249	17-11	NO REPORT NUMBER
63-18250	17-11	ARL-63-74
63-18251	17-17	DMIC-179
63-18252	17-09	PIBMRI-109-62
63-18253	17-32	DOMIIT-1-23
63-18254	17-11	NASA-CR-50585
63-18255	17-32	NASA-CR-50436
63-18256	17-09	NASA-CR-50457
63-18257	17-13	AEDC-TDR-63-93
63-18258	17-23	NO REPORT NUMBER
63-18259	17-25	NASA-CR-50400
63-18260	17-20	NOLTR-63-8
63-18261	17-07	RM-3707-PR
63-18262	17-08	NO REPORT NUMBER
63-18263	17-11	WAPD-TM-302
63-18264	17-14	AMRL-TDR-63-35
63-18265	17-06	NAA-SR-8304
63-18266	17-01	LAMS-2915
63-18267	17-18	HW-76636
63-18268	17-14	NO REPORT NUMBER
63-18269	17-08	AFCRL-63-29
63-18270	17-15	AFCRL-63-479
63-18271	17-23	U411-63-005
63-18272	17-23	NASA-CR-50450
63-18273	17-07	ARL-63-80
63-18274	17-20	AFCRL-63-122
63-18275	17-01	NO REPORT NUMBER
63-18276	17-08	ESD-TDR-63-321
63-18277	17-21	NSSP-14
63-18278	17-05	AFCRL-63-458
63-18279	17-21	ERDA-30
63-18280	17-21	ERDA-32
63-18281	17-21	ERDA-35
63-18282	17-21	ERDA-36
63-18283	17-17	RIA-63-1419
63-18284	17-33	NO REPORT NUMBER
63-18285	17-33	NASA-CR-50207
63-18286	17-14	NASA-CR-50297
63-18287	17-08	NO REPORT NUMBER
63-18288	17-25	NO REPORT NUMBER
63-18289	17-07	NASA-CR-50296
63-18290	17-15	NASA-CR-50245
63-18291	17-05	NASA-CR-50096
63-18292	17-05	NASA-TM-X-50150
63-18293	17-15	NASA-CR-50169
63-18294	17-24	NO REPORT NUMBER
63-18295	17-07	BNL-790/C-37/
63-18296	17-01	NO REPORT NUMBER
63-18297	17-23	BM-RI-5984
63-18298	17-25	NO REPORT NUMBER
63-18299	17-09	PIBMRI-1144-63
63-18300	17-09	UCRL-10655
63-18301	17-07	K-1571
63-18302	17-01	NO REPORT NUMBER
63-18303	17-15	R-165
63-18304	17-22	R-146
63-18305	17-12	NO REPORT NUMBER
63-18306	17-33	NO REPORT NUMBER
63-18307	17-33	NO REPORT NUMBER
63-18308	17-33	NO REPORT NUMBER
63-18309	17-33	NO REPORT NUMBER
63-18310	17-16	AFCRL-63-483
63-18311	17-27	SRI-RS-369
63-18312	17-18	NASA-TT-F-135
63-18313	17-29	NASA-TM-X-50138
63-18314	17-01	NASA-CR-50630
63-18315	17-20	NASA-CR-50572
63-18316	17-01	NASA-CR-50648
63-18317		ACC. NO. NOT USED
63-18318	17-08	NASA-CR-50610
63-18319	17-28	NASA-CR-50421
63-18320	17-17	NASA-CR-50487
63-18321	17-23	NASA-CR-50453
63-18322	17-08	NASA-CR-50536
63-18323	17-17	NASA-CR-50562
63-18324	17-09	NO REPORT NUMBER
63-18325		ACC. NO. NOT USED
63-18326	17-12	NO REPORT NUMBER
63-18327	17-04	DTMB-AERO-1052
63-18328	17-02	NOLTR-63-79
63-18329	17-01	ORNL-3314
63-18330		ACC. NO. NOT USED
63-18331	17-20	ANL-6718
63-18332	17-03	ASD-TDR-63-159
N63-18333	17-27	NASA-CR-50575
N63-18334	17-29	NASA-CR-50576
N63-18335	17-12	GCA-TR-62-13-N
N63-18336	17-21	ERDA-40
N63-18337	17-33	NASA-CR-50502
N63-18338	17-27	NASA-CR-50623
N63-18339	17-16	AMRL-TDR-62-151
N63-18340	17-29	NASA-CR-50464
N63-18341	17-30	AIAA PAPER-63-138
N63-18342	17-26	AIAA PAPER-63-238
N63-18343	17-05	AIAA PAPER-63-254
N63-18344	17-20	NOLTR-62-87
N63-18345	17-16	ACRH-19
N63-18346	17-27	NO REPORT NUMBER
N63-18347	17-07	ASD-TR-7-995 /III/
N63-18348	17-16	UCRL-10267
N63-18349	17-34	C11-86
N63-18350	17-09	NASA-CR-50556
N63-18351	17-23	CEX-62.6.2
N63-18352	17-16	NO REPORT NUMBER
N63-18353	17-07	NO REPORT NUMBER
N63-18354	17-15	NO REPORT NUMBER
N63-18355	17-11	RAE-TRANS-1031
N63-18356	17-02	NO REPORT NUMBER
N63-18357	17-02	AFCRL-63-137
N63-18358	17-17	E-1214
N63-18359	17-17	E-1249
N63-18360	17-26	NASA-CR-50566
N63-18361	17-08	NBS-TN-18-16
N63-18362	17-09	W-J 63-434R19
N63-18363		ACC. NO. NOT USED
N63-18364	17-20	NO REPORT NUMBER
N63-18365	17-17	E-1276
N63-18366	17-17	E-1266
N63-18367	17-23	NASA-CR-50485
N63-18368	17-24	NASA-CR-50446
N63-18369	17-15	NASA-CR-50521
N63-18370	17-13	NASA-CR-50317
N63-18371	17-05	NASA-CR-50394
N63-18372	17-34	NASA-CR-50411
N63-18373	17-05	NASA-CR-50463
N63-18374	17-16	NASA-CR-50520
N63-18375	17-12	NASA-CR-50417
N63-18376	17-09	RADC-RAL-TM-63-8
N63-18377	17-09	RADC-RAL-TM-63-9
N63-18378	17-23	RADC-RAW-TM-63-6
N63-18379	17-19	COA-N-151, PT. 3
N63-18380	17-13	BM-RI-6255
N63-18381	17-01	RM-3698-PR
N63-18382	17-11	NO REPORT NUMBER
N63-18383	17-18	ANL-6657
N63-18384	17-29	RM-3388-PR
N63-18385	17-16	NADC-MA-6306
N63-18386	17-07	NO REPORT NUMBER
N63-18387	17-08	NASA-CR-50655
N63-18388	17-07	NASA-CR-50418
N63-18389	17-18	NASA-CR-50321
N63-18390	17-17	NASA-CR-50557
N63-18391	17-17	NASA-CR-50561
N63-18392	17-11	NASA-CR-50653
N63-18393	17-25	ASD-TDR-62-186, PT. II
N63-18394	17-24	NASA-CR-50301
N63-18395	17-08	NASA-CR-50304
N63-18396	17-16	NASA-CR-50298
N63-18397	17-18	NASA-CR-50339
N63-18398	17-18	NASA-CR-50477
N63-18399	17-25	NASA-CR-50402
N63-18400	17-25	NASA-CR-50456
N63-18401	17-05	NASA-CR-50416
N63-18402	17-14	NASA-CR-50067
N63-18403	17-20	NASA-TM-X-50080
N63-18404	17-24	NASA-CR-50216
N63-18405	17-30	NASA-TM-X-50133
N63-18406	17-12	NASA-CR-50061
N63-18407	17-09	NASA-CR-50058
N63-18408	17-23	NO REPORT NUMBER
N63-18409	17-12	NASA-CR-50474
N63-18410	17-09	NASA-CR-50564
N63-18411	17-18	NASA-CR-50420
N63-18412	17-32	NASA-CR-50424
N63-18413	17-32	NASA-CR-50458
N63-18414	17-28	NASA-CR-50531
N63-18415	17-29	NASA-CR-50544
N63-18416	17-17	NASA-CR-50540
N63-18417	17-13	NASA-TM-X-50156
N63-18418	17-12	NASA-CR-50315
N63-18419	17-12	NASA-CR-50654
N63-18420	17-18	NASA-CR-50627
N63-18421	17-20	NASA-TM-X-50148
N63-18422	17-29	NASA-CR-50578

N63-18423	17-32	NASA FACTS-C-5-63
N63-18424	17-17	E-1317
N63-18425	17-25	NO REPORT NUMBER
N63-18426	17-20	AFCRL-63-112
N63-18427	17-20	NO REPORT NUMBER
N63-18428	17-20	NO REPORT NUMBER
N63-18429	17-20	NO REPORT NUMBER
N63-18430	17-32	FTD-TT-62-121/1&2
N63-18431	17-29	NO REPORT NUMBER
N63-18432	17-29	NO REPORT NUMBER
N63-18433	17-29	NO REPORT NUMBER
N63-18434	17-31	NO REPORT NUMBER
N63-18435	17-32	NO REPORT NUMBER
N63-18436	17-32	NO REPORT NUMBER
N63-18437	17-05	NO REPORT NUMBER
N63-18438	17-16	NO REPORT NUMBER
N63-18439	17-32	NO REPORT NUMBER
N63-18440	17-12	NO REPORT NUMBER
N63-18441	17-12	NO REPORT NUMBER
N63-18442	17-12	NO REPORT NUMBER
N63-18443	17-28	NO REPORT NUMBER
N63-18444	17-28	NO REPORT NUMBER
N63-18445	17-15	NO REPORT NUMBER
N63-18446	17-15	NO REPORT NUMBER
N63-18447	17-16	NO REPORT NUMBER
N63-18448	17-05	NO REPORT NUMBER
N63-18449	17-32	NO REPORT NUMBER
N63-18450	17-32	NO REPORT NUMBER
N63-18451	17-32	NO REPORT NUMBER
N63-18452	17-16	NO REPORT NUMBER
N63-18453	17-14	NO REPORT NUMBER
N63-18454	17-14	NO REPORT NUMBER
N63-18455	17-32	NO REPORT NUMBER
N63-18456	17-29	NORT-62-21
N63-18457	17-06	NASA-CR-50392
N63-18458	17-12	NASA-TN-D-1749
N63-18459	17-09	NASA-TN-D-1753
N63-18460	17-28	NASA-TN-D-1754
N63-18461	17-33	NASA-TN-D-1813
N63-18462	17-08	NASA-TN-D-1818
N63-18463	17-22	NASA-TN-D-1820
N63-18464	17-07	NASA-TN-D-1843
N63-18465		ACC. NO. NOT USED
N63-18466	17-23	NASA-TN-D-1889
N63-18467	17-02	NASA-TN-D-1929
N63-18468	17-02	NASA-TN-D-1931
N63-18469	17-22	NASA-TN-D-1938
N63-18470	17-13	NASA-TN-D-1975
N63-18471	17-11	NASA-TR-R-107
N63-18472	17-12	NASA-TR-R-120
N63-18473	17-10	LAS-TR-199-36
N63-18474	17-12	NO REPORT NUMBER
N63-18475	17-12	NO REPORT NUMBER
N63-18476	17-12	NO REPORT NUMBER
N63-18477	17-21	NO REPORT NUMBER
N63-18478	17-21	NO REPORT NUMBER
N63-18479	17-21	NO REPORT NUMBER
N63-18480	17-15	NO REPORT NUMBER
N63-18481	17-15	NO REPORT NUMBER
N63-18482	17-21	NO REPORT NUMBER
N63-18483	17-08	NO REPORT NUMBER
N63-18484	17-25	NASA-TM-X-50141
N63-18485	17-03	NASA-CR-50625
N63-18486	17-12	NASA-TM-X-50142
N63-18487	17-10	NASA-CR-50563
N63-18488	17-27	NASA-CR-50584
N63-18489	17-07	NASA-CR-50605
N63-18490		ACC. NO. NOT USED
N63-18491	17-13	NASA-CR-50624
N63-18492	17-23	NASA-CR-50565
N63-18493	17-17	NASA-CR-50558
N63-18494	17-17	NASA-CR-50560
N63-18495	17-16	NASA-CR-50548
N63-18496	17-23	NASA-CR-50265
N63-18497	17-15	NASA-CR-50465
N63-18498	17-21	NASA-CR-50530
N63-18499	17-03	NASA-TN-D-1815
N63-18500	17-02	NASA-TN-D-1930
N63-18501	17-26	NASA-CR-50312
N63-18502	17-26	NO REPORT NUMBER
N63-18503	17-11	NO REPORT NUMBER
N63-18504	17-26	NO REPORT NUMBER
N63-18505	17-26	NO REPORT NUMBER
N63-18506	17-26	NO REPORT NUMBER
N63-18507	17-26	NO REPORT NUMBER
N63-18508	17-01	NO REPORT NUMBER
N63-18509	17-07	NO REPORT NUMBER
N63-18510	17-07	NO REPORT NUMBER
N63-18511	17-26	NO REPORT NUMBER
N63-18512	17-26	NO REPORT NUMBER
N63-18513	17-26	NO REPORT NUMBER
N63-18514	17-26	NO REPORT NUMBER
N63-18515	17-07	NO REPORT NUMBER
N63-18516	17-26	NO REPORT NUMBER
N63-18517	17-26	NO REPORT NUMBER
N63-18518	17-26	NO REPORT NUMBER
N63-18519	17-26	NO REPORT NUMBER
N63-18520	17-26	NO REPORT NUMBER
N63-18521	17-07	NO REPORT NUMBER
N63-18522	17-07	NO REPORT NUMBER
N63-18523	17-11	NO REPORT NUMBER
N63-18524		ACC. NO. NOT USED
N63-18525	17-26	NO REPORT NUMBER
N63-18526	17-26	NO REPORT NUMBER
N63-18527	17-26	NO REPORT NUMBER
N63-18528	17-26	NO REPORT NUMBER
N63-18529	17-26	NO REPORT NUMBER
N63-18530	17-26	NO REPORT NUMBER
N63-18531	17-26	NO REPORT NUMBER
N63-18532	17-26	NO REPORT NUMBER
N63-18533	17-26	NO REPORT NUMBER
N63-18534	17-26	NO REPORT NUMBER
N63-18535	17-26	NO REPORT NUMBER
N63-18536	17-26	NO REPORT NUMBER
N63-18537	17-26	NO REPORT NUMBER
N63-18538	17-26	NO REPORT NUMBER
N63-18539	17-26	NO REPORT NUMBER
N63-18540	17-26	NO REPORT NUMBER
N63-18541	17-26	NO REPORT NUMBER
N63-18542	17-11	NO REPORT NUMBER
N63-18543	17-11	NO REPORT NUMBER
N63-18544	17-20	NO REPORT NUMBER
N63-18545	17-11	NO REPORT NUMBER
N63-18546	17-26	NO REPORT NUMBER
N63-18547	17-26	NO REPORT NUMBER
N63-18548	17-26	NO REPORT NUMBER
N63-18549	17-26	NO REPORT NUMBER
N63-18550	17-11	NO REPORT NUMBER
N63-18551	17-25	NO REPORT NUMBER
N63-18552	17-11	NO REPORT NUMBER
N63-18553	17-11	NO REPORT NUMBER
N63-18554	17-26	NO REPORT NUMBER
N63-18555	17-11	NO REPORT NUMBER
N63-18556	17-26	NO REPORT NUMBER
N63-18557	17-26	NO REPORT NUMBER
N63-18558	17-26	NO REPORT NUMBER
N63-18559	17-26	NO REPORT NUMBER
N63-18560	17-26	NO REPORT NUMBER
N63-18561	17-26	NO REPORT NUMBER
N63-18562	17-07	NO REPORT NUMBER
N63-18563	17-07	NO REPORT NUMBER
N63-18564	17-07	NO REPORT NUMBER
N63-18565	17-07	NO REPORT NUMBER
N63-18566	17-26	NO REPORT NUMBER
N63-18567	17-11	NO REPORT NUMBER
N63-18568		ACC. NO. NOT USED
N63-18569	17-07	NO REPORT NUMBER
N63-18570	17-07	NO REPORT NUMBER
N63-18571	17-07	NO REPORT NUMBER
N63-18572	17-07	NO REPORT NUMBER
N63-18573	17-07	NO REPORT NUMBER
N63-18574	17-07	NO REPORT NUMBER
N63-18575	17-07	NO REPORT NUMBER
N63-18576	17-11	NO REPORT NUMBER
N63-18577	17-23	NO REPORT NUMBER
N63-18578	17-26	NO REPORT NUMBER
N63-18579	17-26	NO REPORT NUMBER
N63-18580	17-26	NO REPORT NUMBER
N63-18581	17-06	NO REPORT NUMBER
N63-18582	17-11	NO REPORT NUMBER
N63-18583	17-26	NO REPORT NUMBER
N63-18584	17-26	NO REPORT NUMBER
N63-18585	17-27	NO REPORT NUMBER
N63-18586	17-26	NO REPORT NUMBER
N63-18587	17-26	NO REPORT NUMBER
N63-18588	17-10	NO REPORT NUMBER
N63-18589	17-11	NO REPORT NUMBER
N63-18590	17-26	NO REPORT NUMBER
N63-18591	17-27	NO REPORT NUMBER
N63-18592	17-23	NO REPORT NUMBER
N63-18593	17-26	NO REPORT NUMBER
N63-18594	17-26	NO REPORT NUMBER
N63-18595	17-26	NO REPORT NUMBER
N63-18596	17-26	NO REPORT NUMBER
N63-18597	17-26	NO REPORT NUMBER
N63-18598	17-26	NO REPORT NUMBER
N63-18599	17-26	NO REPORT NUMBER
N63-18600	17-26	NO REPORT NUMBER
N63-18601	17-30	NASA-TM-X-50151
N63-18602	17-30	NO REPORT NUMBER

N63-18603	17-30	NO REPORT NUMBER
N63-18604	17-30	NO REPORT NUMBER
N63-18605	17-30	NO REPORT NUMBER
N63-18606	17-30	NO REPORT NUMBER
N63-18607	17-30	NO REPORT NUMBER
N63-18608	17-30	NO REPORT NUMBER
N63-18609	17-30	NO REPORT NUMBER
N63-18610	17-30	NO REPORT NUMBER
N63-18611	17-30	NO REPORT NUMBER
N63-18612	17-30	NO REPORT NUMBER
N63-18613	17-30	NO REPORT NUMBER
N63-18614	17-30	NO REPORT NUMBER
N63-18615	17-30	NO REPORT NUMBER
N63-18616	17-30	NO REPORT NUMBER
N63-18617	17-30	NO REPORT NUMBER
N63-18618	17-30	NO REPORT NUMBER
N63-18619	17-30	NO REPORT NUMBER
N63-18620	17-30	NO REPORT NUMBER
N63-18621	17-30	NO REPORT NUMBER
N63-18622	17-30	NO REPORT NUMBER
N63-18623	17-06	KN-676-1/PR/
N63-18624	17-25	SUDAER-152
N63-18625	17-09	RADC-TDR-63-253
N63-18626	17-33	D2-22437
N63-18627	17-18	ASD-TDR-63-204
N63-18628	17-09	RADC-TDR-63-172
N63-18629	17-30	PLR-117
N63-18630	17-24	PLR-119
N63-18631	17-18	DMIC-MEMO-168
N63-18632	17-14	AFCRL-63-141
N63-18633	17-22	NO REPORT NUMBER
N63-18634	17-19	ASD-TDR-62-225, PT. II
N63-18635	17-01	RADC-TDR-63-184
N63-18636	17-16	AMRL-TDR-63-36
N63-18637	17-18	ASD-TDR-62-479, PT. II
N63-18638	17-15	ARL-63-45
N63-18639	17-11	R63SD23
N63-18640	17-09	RADC-TDR-63-152
N63-18641	17-09	NO REPORT NUMBER
N63-18642	17-23	PA-TM-147-62
N63-18643	17-13	NO REPORT NUMBER
N63-18644	17-13	NO REPORT NUMBER
N63-18645	17-04	NACA-RM-E53C18
N63-18646	17-09	RADC-TDR-63-221
N63-18647	17-08	RADC-TDR-63-192
N63-18648	17-05	NASA-CR-50706
N63-18649	17-09	RADC-TDR-63-333
N63-18650	17-19	D2-35105
N63-18651	17-01	NO REPORT NUMBER
N63-18652	17-24	NASA-TN-D-1875
N63-18653	17-27	NASA-TN-D-1411
N63-18654	17-15	NASA-TN-D-1718
N63-18655	17-27	NASA-TN-D-1733
N63-18656	17-32	NASA-TN-D-1748
N63-18657	17-21	NASA-TN-D-1755
N63-18658	17-04	NASA-TN-D-1802
N63-18659	17-19	NASA-TN-D-1814
N63-18660	17-23	NASA-TN-D-1849
N63-18661	17-17	NASA-TN-D-1853
N63-18662	17-07	NASA-TN-D-1877
N63-18663	17-04	NASA-TN-D-1891
N63-18664	17-32	NASA-TN-D-1900
N63-18665	17-14	NASA-TN-D-1924
N63-18666	17-03	NASA-TN-D-1933
N63-18667	17-03	NASA-TN-D-1937
N63-18668	17-33	NASA-TN-D-2005
N63-18669	17-15	NASA-TN-D-2007
N63-18670	17-12	IGY GEN. REPT. SER.-18
N63-18671	17-04	F-823-B
N63-18672	17-25	TRG-134-QTR-4
N63-18673	17-16	NO REPORT NUMBER
N63-18674	17-09	RADC-TDR-63-225
N63-18675	17-08	NO REPORT NUMBER
N63-18676	17-19	RADC-TDR-62-553
N63-18677	17-16	AAL-TDR-62-39
N63-18678	17-21	NO REPORT NUMBER
N63-18679	17-21	NO REPORT NUMBER
N63-18680	17-15	ASD-TDR-63-288
N63-18681	17-12	UAG-R135
N63-18682	17-10	BM-RI-6009
N63-18683	17-21	AFCRL-62-1135
N63-18684	17-18	HW-77052
N63-18685	17-29	NO REPORT NUMBER
N63-18686	17-11	ASRL-TR-106-1
N63-18687	17-21	ERDA-31
N63-18688	17-29	NASA-TM-X-50186
N63-18689	17-29	NO REPORT NUMBER
N63-18690	17-29	NO REPORT NUMBER
N63-18691	17-29	NO REPORT NUMBER
N63-18692	17-29	NO REPORT NUMBER
N63-18693	17-29	NO REPORT NUMBER
N63-18694	17-29	NO REPORT NUMBER
N63-18695	17-29	NO REPORT NUMBER
N63-18696	17-29	NO REPORT NUMBER
N63-18697	17-20	NO REPORT NUMBER
N63-18698	17-20	NO REPORT NUMBER
N63-18699	17-20	NO REPORT NUMBER
N63-18700	17-20	NO REPORT NUMBER
N63-18701	17-09	MDL-Q4
N63-18702	17-09	NO REPORT NUMBER
N63-18703	17-09	NO REPORT NUMBER
N63-18704	17-09	NO REPORT NUMBER
N63-18705	17-09	NO REPORT NUMBER
N63-18706	17-09	NO REPORT NUMBER
N63-18707	17-09	NO REPORT NUMBER
N63-18708	17-23	NO REPORT NUMBER
N63-18709	17-25	NO REPORT NUMBER
N63-18710	17-25	NO REPORT NUMBER
N63-18711	17-25	NO REPORT NUMBER
N63-18712	17-24	NO REPORT NUMBER
N63-18713	17-24	NO REPORT NUMBER
N63-18714	17-24	NO REPORT NUMBER
N63-18715	17-24	NO REPORT NUMBER
N63-18716	17-24	NO REPORT NUMBER
N63-18717	17-02	D2-22040
N63-18718	17-27	TDR-930/2210-14/TR-1
N63-18719	17-18	BM-RI-6256
N63-18720	17-02	AGARD-398
N63-18721	17-33	ASD-TN-61-117, PT. IV
N63-18722	17-12	SSD-TDR-62-127, VOL. V
N63-18723	17-33	AGARD-410
N63-18724	17-20	AROD-2056-13
N63-18725	17-14	NO REPORT NUMBER
N63-18726	17-12	AFCRL-63-617
N63-18727	17-11	NO REPORT NUMBER
N63-18728	17-19	NO REPORT NUMBER
N63-18729	17-16	ARL-TDR-63-15
N63-18730	17-21	EUR-276.I
N63-18731	17-28	AEDC-TDR-63-118
N63-18732	17-17	WAPD-245
N63-18733	17-15	HW-77517
N63-18734	17-11	AEDC-TDR-63-147
N63-18735	17-11	NO REPORT NUMBER
N63-18736	17-12	NO REPORT NUMBER
N63-18737	17-12	R15
N63-18738	17-07	NO REPORT NUMBER
N63-18739	17-13	NO REPORT NUMBER
N63-18740	17-07	USNRDL-TR-650
N63-18741	17-24	MATT-177
N63-18742	17-13	AEDC-TDR-63-102
N63-18743	17-24	MATT-198
N63-18744	17-16	ORINS-42
N63-18745	17-11	CAL-BB-1657-S-1
N63-18746		ACC. NO. NOT USED
N63-18747	17-21	NO REPORT NUMBER
N63-18748	17-27	VITRO-2331-1-60
N63-18749	17-02	AEDC-TDR-63-135
N63-18750	17-11	D1-82-0239
N63-18751	17-13	CAL-124
N63-18752	17-12	NO REPORT NUMBER
N63-18753	17-12	NO REPORT NUMBER
N63-18754	17-12	NO REPORT NUMBER
N63-18755	17-12	NO REPORT NUMBER
N63-18756	17-12	NO REPORT NUMBER
N63-18757	17-12	NO REPORT NUMBER
N63-18758	17-12	NO REPORT NUMBER
N63-18759	17-12	NO REPORT NUMBER
N63-18760	17-12	NO REPORT NUMBER
N63-18761	17-12	NO REPORT NUMBER
N63-18762	17-12	NO REPORT NUMBER
N63-18763	17-12	NO REPORT NUMBER
N63-18764	17-12	NO REPORT NUMBER
N63-18765	17-12	NO REPORT NUMBER
N63-18766	17-12	NO REPORT NUMBER
N63-18767	17-12	NO REPORT NUMBER
N63-18768	17-21	NO REPORT NUMBER
N63-18769	17-25	AROD-2891-7
N63-18770	17-24	NASA-TN-D-1778
N63-18771	17-33	NASA-TN-D-1803
N63-18772	17-30	NASA-TN-D-1934
N63-18773	17-18	NASA-TN-D-1943
N63-18774		ACC. NO. NOT USED
N63-18775	17-28	NO REPORT NUMBER
N63-18776	18-19	NASA-TR-R-134
N63-18777	18-16	AMRL-TDR-63-45
N63-18778	18-29	AWFL-RTD-TDR-63-3025
N63-18779	18-18	WADC-TR-75-344, PT. VII
N63-18780	18-11	NO REPORT NUMBER
N63-18781	18-12	AFCRL-63-197
N63-18782	18-21	AFCRL-62-680, SUPPL. I

N63-18783	18-10	ASD-TDR-63-456
N63-18784	18-25	AFCRL-63-145
N63-18785	18-09	RADC-TDR-63-265
N63-18786	18-24	IPPJ-9
N63-18787	18-18	ASD-TDR-63-493
N63-18788	18-29	SSD-TDR-63-91-V, VOL. 2
N63-18789	18-10	SSD-TDR-63-91-III
N63-18790	18-09	SSD-TDR-63-91-II
N63-18791	18-33	SWC-TDR-63-43
N63-18792	18-18	ASD-TDR-63-188
N63-18793	18-07	ASD-TDR-63-616
N63-18794	18-18	ARL-63-104
N63-18795	18-20	AIAA PAPER-63-361
N63-18796	18-28	AFSWC-TDR-62-105
N63-18797	18-13	IS-562
N63-18798	18-02	AS-63-1
N63-18799	18-12	AFCRL-63-495
N63-18800	18-01	NO REPORT NUMBER
N63-18801	18-12	GA-3503
N63-18802	18-18	ASD-TDR-63-473
N63-18803	18-19	CL/63/41
N63-18804	18-20	AROD-2579-14
N63-18805	18-24	TDR-169/3230-22/TN-3
N63-18806	18-16	ASD-TDR-63-70
N63-18807	18-27	NO REPORT NUMBER
N63-18808	18-15	AFCRL-63-437
N63-18809	18-18	NO REPORT NUMBER
N63-18810	18-23	IDO-16869
N63-18811	18-23	IDO-16893
N63-18812	18-15	R-398
N63-18813	18-18	NO REPORT NUMBER
N63-18814	18-15	UCRL-10754
N63-18815	18-30	NO REPORT NUMBER
N63-18816	18-07	ORNL-3461
N63-18817	18-23	BMI-1634
N63-18818	18-22	NO REPORT NUMBER
N63-18819	18-11	NO REPORT NUMBER
N63-18820	18-16	FPRC/MEMO-162
N63-18821	18-23	NAA-SR-8401
N63-18822	18-20	LA-2827
N63-18823	18-11	UCRL-10394
N63-18824	18-21	AFCRL-63-439
N63-18825	18-16	UR-626
N63-18826	18-13	NO REPORT NUMBER
N63-18827	18-12	NO REPORT NUMBER
N63-18828	18-23	BAW-1271
N63-18829	18-23	LAMS-2882
N63-18830	18-12	AFCRL-63-609
N63-18831	18-11	NO REPORT NUMBER
N63-18832	18-30	ASD-TDR-62-1015
N63-18833	18-20	IDO-16856
N63-18834	18-26	LRP-198 /2D ED./
N63-18835	18-18	NO REPORT NUMBER
N63-18836	18-01	AIAA PAPER-63-131
N63-18837	18-33	R63FPD146
N63-18838	18-17	BMI-1637
N63-18839	18-25	SSD-TDR-62-127, VOL. VI
N63-18840	18-04	AGARD-403
N63-18841	18-32	STL-TRANS-70
N63-18842	18-07	NO REPORT NUMBER
N63-18843	18-21	T-386-R
N63-18844	18-23	NO REPORT NUMBER
N63-18845	18-31	NO REPORT NUMBER
N63-18846	18-32	NO REPORT NUMBER
N63-18847	18-11	NA-63-1
N63-18848	18-02	JPL-TR-34-160
N63-18849	18-11	IS-419
N63-18850	18-21	ERDA-27
N63-18851	18-21	NO REPORT NUMBER
N63-18852	18-14	NO REPORT NUMBER
N63-18853	18-25	ORNL-3364
N63-18854	18-23	NEL-1161
N63-18855	18-11	AEDC-TDR-63-138
N63-18856	18-09	NASA-CR-50422
N63-18857	18-01	NASA-CR-50649
N63-18858	18-28	NASA-CR-50582
N63-18859	18-12	NASA-TM-X-50195
N63-18860	18-06	NASA-TM-X-50177
N63-18861	18-09	NASA-CR-50702
N63-18862	18-29	IAS PAPER-63-56
N63-18863	18-29	NASA-TM-X-50135
N63-18864	18-01	NASA-CR-50437
N63-18865	18-18	NASA-CR-50404
N63-18866	18-09	NASA-CR-50693
N63-18867	18-34	NASA-CR-50000
N63-18868	18-02	NASA-CR-50626
N63-18869	18-29	NASA-TM-X-50131
N63-18870	18-17	NO REPORT NUMBER
N63-18871	18-10	NO REPORT NUMBER
N63-18872	18-18	SR-63-9
N63-18873	18-07	NRL-5912
N63-18874	18-32	NO REPORT NUMBER
N63-18875	18-25	MIT-TR-180
N63-18876	18-23	LAMS-2904
N63-18877	18-11	NASA-CR-50595
N63-18878	18-14	HF-1-62
N63-18879	18-14	HF-2-62
N63-18880	18-16	SAM-TDR-63-22
N63-18881	18-33	CU-2-63-ONR-266/34/-CE
N63-18882	18-21	ARF-A218-12
N63-18883	18-25	HDL-TR-1143
N63-18884	18-23	NAA-SR-8468
N63-18885	18-24	IPPJ-7
N63-18886	18-07	NO REPORT NUMBER
N63-18887	18-23	NASA-TN-D-1832
N63-18888	18-33	NASA-TN-D-1854
N63-18889	18-02	NASA-TN-D-1926
N63-18890	18-11	NO REPORT NUMBER
N63-18891	18-02	TDR-169/3230-11/TN-6
N63-18892	18-07	NO REPORT NUMBER
N63-18893	18-23	CU-1-63-AF-2461-EE
N63-18894	18-13	NASA-TN-D-1743
N63-18895	18-21	ERDA-44
N63-18896	18-23	UCRL-10438
N63-18897	18-16	SAM-TDR-63-15
N63-18898	18-09	AMRL-TDR-63-50
N63-18899	18-07	ASD-TDR-62-526, PT. II
N63-18900	18-24	AROD-3331-2
N63-18901	18-18	BM-RI-6262
N63-18902	18-24	NO REPORT NUMBER
N63-18903	18-21	ERDA-34
N63-18904	18-32	NO REPORT NUMBER
N63-18905	18-09	R63ELS-9
N63-18906	18-13	AROD-2327-2
N63-18907	18-33	PNE-112F, PT. I
N63-18908	18-23	HW-77375
N63-18909	18-23	AROD-223-7
N63-18910	18-23	USCEC-82-211
N63-18911	18-25	AFCRL-63-120/B/
N63-18912	18-09	NO REPORT NUMBER
N63-18913	18-25	AFCRL-63-120/A/
N63-18914	18-01	NO REPORT NUMBER
N63-18915	18-01	NO REPORT NUMBER
N63-18916	18-32	NO REPORT NUMBER
N63-18917	18-04	NO REPORT NUMBER
N63-18918	18-02	NO REPORT NUMBER
N63-18919	18-27	NO REPORT NUMBER
N63-18920	18-16	NO REPORT NUMBER
N63-18921	18-29	NO REPORT NUMBER
N63-18922	18-29	NO REPORT NUMBER
N63-18923	18-04	NO REPORT NUMBER
N63-18924	18-30	NO REPORT NUMBER
N63-18925	18-27	NO REPORT NUMBER
N63-18926	18-31	NO REPORT NUMBER
N63-18927	18-23	NO REPORT NUMBER
N63-18928	18-26	NO REPORT NUMBER
N63-18929	18-27	NO REPORT NUMBER
N63-18930	18-10	NO REPORT NUMBER
N63-18931	18-30	NO REPORT NUMBER
N63-18932	18-01	NO REPORT NUMBER
N63-18933	18-29	NO REPORT NUMBER
N63-18934	18-01	NO REPORT NUMBER
N63-18935	18-28	NO REPORT NUMBER
N63-18936	18-16	NO REPORT NUMBER
N63-18937	18-16	NO REPORT NUMBER
N63-18938	18-16	NO REPORT NUMBER
N63-18939	18-16	NO REPORT NUMBER
N63-18940	18-16	NO REPORT NUMBER
N63-18941	18-16	NO REPORT NUMBER
N63-18942	18-16	NO REPORT NUMBER
N63-18943	18-16	NO REPORT NUMBER
N63-18944	18-07	NO REPORT NUMBER
N63-18945	18-01	NO REPORT NUMBER
N63-18946	18-17	NO REPORT NUMBER
N63-18947	18-14	NO REPORT NUMBER
N63-18948	18-16	NO REPORT NUMBER
N63-18949	18-16	NO REPORT NUMBER
N63-18950	18-16	NO REPORT NUMBER
N63-18951	18-16	NO REPORT NUMBER
N63-18952	18-16	NO REPORT NUMBER
N63-18953	18-16	NO REPORT NUMBER
N63-18954	18-16	NO REPORT NUMBER
N63-18955	18-16	NO REPORT NUMBER
N63-18956	18-16	NO REPORT NUMBER
N63-18957	18-16	NO REPORT NUMBER
N63-18958	18-16	NO REPORT NUMBER
N63-18959	18-16	NO REPORT NUMBER
N63-18960	18-16	NO REPORT NUMBER
N63-18961	18-16	NO REPORT NUMBER
N63-18962	18-16	NO REPORT NUMBER

N63-18963	18-16	NO REPORT NUMBER
N63-18964	18-16	NO REPORT NUMBER
N63-18965	18-16	NO REPORT NUMBER
N63-18966	18-16	NO REPORT NUMBER
N63-18967	18-16	NO REPORT NUMBER
N63-18968	18-16	NO REPORT NUMBER
N63-18969	18-16	NO REPORT NUMBER
N63-18970	18-16	NO REPORT NUMBER
N63-18971	18-16	NO REPORT NUMBER
N63-18972	18-23	SCR-525
N63-18973	18-19	NO REPORT NUMBER
N63-18974	18-25	SCR-526
N63-18975	18-23	NO REPORT NUMBER
N63-18976	18-08	RM-3757-PR
N63-18977	18-21	AFCRL-63-801
N63-18978	18-16	AAL-TDR-62-43
N63-18979	18-22	NO REPORT NUMBER
N63-18980	18-11	NO REPORT NUMBER
N63-18981	18-21	AFCRL-63-802
N63-18982	18-28	NO REPORT NUMBER
N63-18983	18-23	NBS-TN-120A
N63-18984	18-13	MIT-34-P
N63-18985	18-29	CR-65
N63-18986	18-24	UCRL-10755
N63-18987	18-09	BNL-6407
N63-18988	18-15	BAMIRAC-4613-20-R
N63-18989	18-23	NO REPORT NUMBER
N63-18990	18-24	NO REPORT NUMBER
N63-18991	18-17	SID-63-846
N63-18992	18-24	UCRL-10762
N63-18993	18-16	ASD-TDR-63-194
N63-18994	18-18	NO REPORT NUMBER
N63-18995	18-29	NASA-CR-50738
N63-18996	18-17	NASA-CR-50739
N63-18997	18-07	NASA-CR-50737
N63-18998	18-12	NO REPORT NUMBER
N63-18999	18-09	USAERADL-TR-2292
N63-19000	18-27	RK-TR-63-15
N63-19001	18-17	GA-3559
N63-19002	18-25	UCRL-8030, REV.
N63-19003	18-14	AMRL-MEMO-P-31
N63-19004	18-15	TN-29
N63-19005	18-32	NO REPORT NUMBER
N63-19006	18-09	NYU-TR-400-75
N63-19007	18-13	PIBAL-662
N63-19008	18-11	RM-2968-PR
N63-19009	18-21	ERDA-45
N63-19010	18-04	MRL-MEMO-P-9
N63-19011	18-11	NO REPORT NUMBER
N63-19012	18-18	NO REPORT NUMBER
N63-19013	18-11	MRC-399
N63-19014	18-17	AEDC-TDR-63-166
N63-19015	18-16	AIAA PAPER-63-143
N63-19016	18-16	UCRL-9658
N63-19017	18-11	NO REPORT NUMBER
N63-19018	18-18	BRL-MR-1480
N63-19019	18-19	BVJ-63-001-4
N63-19020	18-13	R63SD35
N63-19021	18-09	R63SD37
N63-19022	18-12	NBS-TN-142
N63-19023	18-17	SB-63-10
N63-19024	18-11	RM-3270-PR
N63-19025	18-15	AEDC-TDR-63-148
N63-19026	18-21	NO REPORT NUMBER
N63-19027	18-08	NO REPORT NUMBER
N63-19028	18-18	IITRI-B6007-3
N63-19029	18-20	NASA-CR-50715
N63-19030	18-18	DMIC-MEMO-166
N63-19031	18-16	AAL-TN-63-4
N63-19032	18-19	NO REPORT NUMBER
N63-19033	18-06	ARA WIND TUNNEL NOTE-52
N63-19034	18-33	NO REPORT NUMBER
N63-19035	18-26	NO REPORT NUMBER
N63-19036	18-20	AGARD-406
N63-19037	18-32	AIAA PAPER-63-132
N63-19038	18-09	NO REPORT NUMBER
N63-19039	18-09	UCRL-10834
N63-19040	18-27	B-110053-3
N63-19041	18-18	ASD-TDR-63-358
N63-19042	18-11	ARAP-9-P
N63-19043	18-33	NOLTR-62-79
N63-19044	18-11	AROD-2231-8
N63-19045	18-13	NO REPORT NUMBER
N63-19046	18-11	BRN-6-P
N63-19047	18-13	GEAP-3961
N63-19048	18-11	AEDC-TDR-63-149
N63-19049	18-01	RM-3244-PR
N63-19050	18-09	RM-3726-PR
N63-19051	18-08	RM-3232-PR
N63-19052	18-20	RM-3378-PR
N63-19053	18-23	RM-3326-PR
N63-19054	18-09	RM-3333-PR
N63-19055	18-09	S-545
N63-19056	18-25	NO REPORT NUMBER
N63-19057	18-16	AAL-TDR-62-51
N63-19058	18-24	NO REPORT NUMBER
N63-19059	18-32	AIAA PAPER-63-135
N63-19060	18-01	NO REPORT NUMBER
N63-19061		ACC. NO. NOT USED
N63-19062	18-04	B-201
N63-19063	18-18	ARF-B201-27
N63-19064	18-14	AMRL-TDR-63-34
N63-19065	18-16	ARL-TDR-63-17
N63-19066		ACC. NO. NOT USED
N63-19067	18-20	RM-3242-PR
N63-19068	18-11	NO REPORT NUMBER
N63-19069	18-09	AMRL-TDR-63-40
N63-19070	18-09	RM-3269-PR
N63-19071	18-01	NO REPORT NUMBER
N63-19072	18-24	NO REPORT NUMBER
N63-19073		ACC. NO. NOT USED
N63-19074	18-15	NASA-TN-D-1757
N63-19075	18-10	NASA-CR-50441
N63-19076	18-11	NO REPORT NUMBER
N63-19077	18-18	ORNL-3099
N63-19078	18-27	TCREC-TR-62-103
N63-19079	18-23	NO REPORT NUMBER
N63-19080	18-23	NO REPORT NUMBER
N63-19081	18-18	WAL-TR-323.4/2-2
N63-19082	18-24	CM-1037
N63-19083	18-23	NYO-10423
N63-19084	18-24	AID-B-63-93
N63-19085	18-11	CAL-90-P
N63-19086	18-20	AROD-2934-13
N63-19087	18-11	IITRI-1205-4
N63-19088	18-14	NAVTRADEVCEN-323-1
N63-19089	18-09	AID-T-63-83
N63-19090	18-32	NO REPORT NUMBER
N63-19091	18-20	MRC-400
N63-19092	18-14	AMRL-MEMO-P-3
N63-19093	18-14	AMRL-MEMO-P-23
N63-19094	18-08	NASA-CR-50795
N63-19095	18-16	SAM-TDR-62-122
N63-19096	18-16	SAM-TDR-63-10
N63-19097	18-33	R-5273
N63-19098	18-05	NO REPORT NUMBER
N63-19099	18-26	NO REPORT NUMBER
N63-19100	18-03	HSA-83
N63-19101	18-26	RPE-TN-263
N63-19102	18-07	MRB-2022Q4
N63-19103	18-16	NO REPORT NUMBER
N63-19104	18-24	AEDC-TDR-63-124
N63-19105	18-17	BIB-13
N63-19106	18-23	NOLTR-62-211
N63-19107	18-08	NO REPORT NUMBER
N63-19108	18-07	AFCRL-63-625
N63-19109	18-29	NO REPORT NUMBER
N63-19110	18-04	AGARD-402
N63-19111	18-15	AGARD-405
N63-19112	18-23	CU-3-62-ONR-266/34/-CE/B
N63-19113	18-02	MIT FLUID DYN. RES. LAB.-63-3
N63-19114	18-23	NO REPORT NUMBER
N63-19115	18-12	NO REPORT NUMBER
N63-19116	18-24	ARAP-8-P
N63-19117	18-07	NO REPORT NUMBER
N63-19118	18-23	RM-3708-PR
N63-19119	18-12	NO REPORT NUMBER
N63-19120	18-20	HDL-TR-1146
N63-19121	18-21	ERDA-47
N63-19122	18-12	JPRS-20197
N63-19123	18-20	ORNL-3405
N63-19124	18-07	ARL-63-109
N63-19125	18-09	AID-T-63-90
N63-19126	18-20	MRC-403
N63-19127	18-11	MRC-408
N63-19128	18-21	AFCRL-63-629
N63-19129	18-14	ESD-TDR-63-135
N63-19130	18-25	EID-68
N63-19131	18-28	NO REPORT NUMBER
N63-19132	18-15	NO REPORT NUMBER
N63-19133	18-12	NO REPORT NUMBER
N63-19134	18-25	POULTER LABS. TR-002-63
N63-19135	18-07	GA-3985
N63-19136	18-16	NSF-63-29
N63-19137	18-32	NO REPORT NUMBER
N63-19138	18-32	AFCRL-63-804
N63-19139	18-13	R-3853-3
N63-19140	18-23	EE-560
N63-19141	18-07	RAE-TRANS-1036
N63-19142	18-24	LAMS-2911

N63-19143	18-14	AMRL-MEMO-P-21
N63-19144	18-18	WANL-PR-M-004
N63-19145	18-09	EID-63
N63-19146	18-08	AROD-4049-11
N63-19147	18-12	P-2761
N63-19148	18-24	ORNL-3325
N63-19149	18-33	NO REPORT NUMBER
N63-19150	18-07	WADD-TR-60-782, PT. XI
N63-19151	18-20	PIBMRI-1167-63
N63-19152	18-10	NAEC-ACEL-491
N63-19153	18-12	CPD-1962/3/W/
N63-19154	18-23	NYO-10431
N63-19155	18-25	IS-578
N63-19156	18-26	NO REPORT NUMBER
N63-19157	18-23	NASA-TT-F-96
N63-19158	18-32	NO REPORT NUMBER
N63-19159	18-24	AFCRL-63-607
N63-19160	18-10	AMRL-TDR-62-113
N63-19161	18-23	RM-3709-PR
N63-19162	18-23	UCRL-7316
N63-19163	18-04	HTC-AD-62-31
N63-19164	18-12	NO REPORT NUMBER
N63-19165	18-09	NYU-TR-400-76
N63-19166	18-33	NO REPORT NUMBER
N63-19167	18-13	MIT-32-P
N63-19168	18-11	USCEC-76-101
N63-19169	18-04	NO REPORT NUMBER
N63-19170	18-17	RR-63-2
N63-19171	18-17	R-296
N63-19172	18-23	ORNL-3466
N63-19173	18-21	NSSP-15
N63-19174	18-04	NO REPORT NUMBER
N63-19175	18-21	NO REPORT NUMBER
N63-19176	18-14	NASA-TN-D-1619
N63-19177	18-10	NASA-TN-D-1725
N63-19178	18-03	NASA-TN-D-1792
N63-19179	18-11	NASA-TN-D-1874
N63-19180	18-30	NASA-TN-D-1923
N63-19181	18-07	ONR-TR-RLT-60
N63-19182	18-09	LAMS-2916
N63-19183	18-28	R-63-8, PT. II
N63-19184	18-20	BR-2121
N63-19185	18-20	SCR-641
N63-19186	18-27	RAD-TM-63-14
N63-19187	18-06	TRECOM-TR-63-17
N63-19188	18-11	UTIA-TN-66
N63-19189	18-23	CERN-63-20
N63-19190	18-33	NO REPORT NUMBER
N63-19191	18-05	AFCRL-63-464
N63-19192	18-28	NO REPORT NUMBER
N63-19193	18-24	AEC-TR-5589, BK. 1
N63-19194	18-24	AEC-TR-5589, BK. 2
N63-19195	18-09	SLAC-16
N63-19196	18-16	ARL-TDR-63-18
N63-19197	18-20	NO REPORT NUMBER
N63-19198	18-18	ASD-TDR-62-868
N63-19199		ACC. NO. NOT USED
N63-19200	18-09	AFCRL-62-909
N63-19201	18-08	NASA-CR-50763
N63-19202	18-29	NASA-CR-50641
N63-19203	18-09	NASA-CR-50728
N63-19204	18-17	NASA-CR-50574
N63-19205	18-08	NASA-CR-50762
N63-19206	18-11	EUR-293.E
N63-19207	18-07	IITRI-3227-4
N63-19208	18-18	ORNL-3448
N63-19209	18-11	NO REPORT NUMBER
N63-19210	18-11	NO REPORT NUMBER
N63-19211	18-23	ACR-61
N63-19212	18-11	NA-63-5
N63-19213	18-17	MRI-228-05
N63-19214	18-33	SSD-TDR-63-14
N63-19215	18-07	AROD-006-9
N63-19216	18-18	HW-74955
N63-19217	18-23	ORNL-3431
N63-19218	18-23	LA-2912
N63-19219	18-10	ANL-6713
N63-19220	18-10	ANL-6749
N63-19221	18-07	NAA-SR-8235
N63-19222	18-09	UCRL-10396
N63-19223	18-23	UCRL-10613
N63-19224	18-07	UCRL-10743
N63-19225	18-23	UCRL-10747
N63-19226	18-23	UCRL-10862
N63-19227	18-19	GEAP-3743, PT. III
N63-19228	18-25	EUR-338.E
N63-19229		ACC. NO. NOT USED
N63-19230	18-23	NYO-10270
N63-19231	18-18	GEMP-24A
N63-19232	18-12	AFCRL-63-672
N63-19233	18-21	NO REPORT NUMBER
N63-19234	18-17	GA-2881
N63-19235	18-07	LAMS-2884
N63-19236	18-18	BM-RI-6254
N63-19237	18-16	AAL-TDR-62-45
N63-19238	18-16	AAL-TDR-62-56
N63-19239	18-19	AAL-TDR-63-12
N63-19240	18-10	DRL-TR-62-214, VOL. I
N63-19241	18-14	NO REPORT NUMBER
N63-19242	18-14	NO REPORT NUMBER
N63-19243	18-14	NO REPORT NUMBER
N63-19244	18-14	NO REPORT NUMBER
N63-19245	18-14	USAMRL-472
N63-19246	18-14	NO REPORT NUMBER
N63-19247	18-14	NO REPORT NUMBER
N63-19248	18-14	NO REPORT NUMBER
N63-19249	18-23	NO REPORT NUMBER
N63-19250	18-14	NO REPORT NUMBER
N63-19251	18-14	NO REPORT NUMBER
N63-19252	18-15	NO REPORT NUMBER
N63-19253	18-01	NO REPORT NUMBER
N63-19254	18-01	NO REPORT NUMBER
N63-19255	18-15	NO REPORT NUMBER
N63-19256	18-14	NO REPORT NUMBER
N63-19257	18-04	NO REPORT NUMBER
N63-19258	18-01	NO REPORT NUMBER
N63-19259	18-23	GEST-2009
N63-19260	18-06	NO REPORT NUMBER
N63-19261	18-19	NASA-CR-50793
N63-19262	18-07	NASA-CR-50736
N63-19263	18-13	NASA-TM-X-50221
N63-19264	18-18	NASA-TM-X-50209
N63-19265	18-18	NASA-CR-50758
N63-19266	18-23	LA-2900
N63-19267	18-02	NASA-CR-50692
N63-19268	18-09	NO REPORT NUMBER
N63-19269	18-09	NO REPORT NUMBER
N63-19270	18-23	LNF-63/34
N63-19271	18-11	NO REPORT NUMBER
N63-19272	18-26	IDA-TR-62-19
N63-19273	18-01	NO REPORT NUMBER
N63-19274	18-08	GER-10979
N63-19275	18-27	NASA-TN-D-1817
N63-19276	18-29	NASA-TN-D-1939
N63-19277	18-34	NASA-TN-D-1940
N63-19278	18-04	NASA-TN-D-1941
N63-19279	18-33	NASA-TN-D-1945
N63-19280	18-14	RM-3285-1-PR
N63-19281	18-23	LNF-63/21
N63-19282	18-18	DP-802
N63-19283	18-23	EUR-292.I
N63-19284	18-23	EUR-342.I
N63-19285	18-17	B-195
N63-19286	18-07	TID-18195
N63-19287	18-18	NO REPORT NUMBER
N63-19288	18-23	NYO-10266
N63-19289	18-23	NYO-10267
N63-19290	18-23	NYO-10268
N63-19291	18-18	NO REPORT NUMBER
N63-19292	18-07	NO REPORT NUMBER
N63-19293	18-28	NASA-CR-50760
N63-19294	18-15	AID-P-63-92
N63-19295	18-25	WAPD-270
N63-19296	18-17	GA-3396
N63-19297		ACC. NO. NOT USED
N63-19298	18-18	EUR-275.F
N63-19299	18-23	GA-4138
N63-19300	18-19	NASA-CR-50827
N63-19301	18-23	ARL-63-148
N63-19302	18-23	NASA-CR-50777
N63-19303		ACC. NO. NOT USED
N63-19304		ACC. NO. NOT USED
N63-19305	18-07	HUM-2-P
N63-19306	18-16	AAL-TDR-62-48
N63-19307	18-13	NO REPORT NUMBER
N63-19308	18-07	NO REPORT NUMBER
N63-19309	18-25	ORNL-3450
N63-19310	18-16	NO REPORT NUMBER
N63-19311	18-08	AID-B-63-99
N63-19312	18-20	AROD-3772-1
N63-19313	18-14	NO REPORT NUMBER
N63-19314	18-29	P-2639
N63-19315	18-11	RSIC-22
N63-19316	18-07	RSIC-21
N63-19317	18-24	AFCRL-63-252/X
N63-19318	18-20	MRC-402
N63-19319	18-20	MRC-401
N63-19320	18-20	MRC-371
N63-19321	18-16	AMRL-TDR-63-39
N63-19322	18-16	AMRL-TDR-63-41

N63-19323	18-19	ONR-TR-RLT-62
N63-19324	18-23	FLIGHT SCIENCES LAB. TR.-65 FL
N63-19325	18-24	WADD-TR-60-371
N63-19326	18-10	WADD-TR-60-371, PT. II
N63-19327	18-10	APEX-800, PT. B
N63-19328	18-07	NOLTR-62-89
N63-19329	18-25	RADC-TDR-63-238
N63-19330	18-17	NEL-32
N63-19331	18-08	USAELRDL-TR-2334
N63-19332	18-18	NO REPORT NUMBER
N63-19333	18-13	ASD-TDR-63-404
N63-19334	18-19	NO REPORT NUMBER
N63-19335	18-14	AMRL-TDR-62-114
N63-19336	18-23	ARL-63-149
N63-19337	18-20	NYO-10429
N63-19338	18-29	P-2640
N63-19339	18-01	NO REPORT NUMBER
N63-19340	18-11	SRI-TR-17-P
N63-19341	18-11	ORNL-3379
N63-19342	18-23	GA-4332
N63-19343	18-01	IDO-24041/SUPPL. 1/
N63-19344	18-24	NUP-63-2
N63-19345	18-26	PA-TM-1228
N63-19346	18-08	RADC-TDR-63-51
N63-19347	18-01	RM-3778-PR
N63-19348	18-24	R-171
N63-19349	18-25	NO REPORT NUMBER
N63-19350	18-24	NO REPORT NUMBER
N63-19351	18-23	EUR-233.I
N63-19352	18-11	CAL-AF-1285-A-10
N63-19353	18-33	AROD-1283-20
N63-19354	18-29	AID-B-63-100
N63-19355	18-11	COA-159
N63-19356	18-03	COA-161
N63-19357	18-17	AMRL-TDR-63-55
N63-19358	18-33	AROD-1892-5
N63-19359	18-11	RSIC-20
N63-19360	18-07	AFCRL-63-172
N63-19361	18-11	HW-65173-REV
N63-19362	18-23	RSIC-23
N63-19363	18-11	NO REPORT NUMBER
N63-19364	18-15	NO REPORT NUMBER
N63-19365	18-24	R63SD60
N63-19366	18-25	R-170
N63-19367	18-12	NASA-TM-X-50260
N63-19368	18-01	NO REPORT NUMBER
N63-19369	18-32	NO REPORT NUMBER
N63-19370	18-21	NASA-TN-D-1449
N63-19371	18-05	NASA-TN-D-1898
N63-19372	18-20	NO REPORT NUMBER
N63-19373	18-15	DVL-282
N63-19374	18-15	DVL-284
N63-19375	18-11	DVL-288
N63-19376	18-18	NO REPORT NUMBER
N63-19377	18-21	AFCRL-63-631
N63-19378	18-29	R-37
N63-19379	18-08	ESD-TDR-63-403
N63-19380	18-08	CARI-63-7
N63-19381	18-17	NO REPORT NUMBER
N63-19382	18-15	GEAP-4222
N63-19383	18-21	OTS-61-11463
N63-19384	18-21	NO REPORT NUMBER
N63-19385	18-21	NO REPORT NUMBER
N63-19386	18-21	NO REPORT NUMBER
N63-19387	18-21	NO REPORT NUMBER
N63-19388	18-21	NO REPORT NUMBER
N63-19389	18-23	NO REPORT NUMBER
N63-19390	18-29	NASA-TM-X-50270
N63-19391	18-29	NASA-TM-X-50279
N63-19392	18-26	NO REPORT NUMBER
N63-19393	18-12	RSIC-24
N63-19394	18-23	RSIC-19
N63-19395	18-23	LMSC-8-19-62-8
N63-19396	18-23	AID-T-63-102
N63-19397	18-20	AFCRL-63-823
N63-19398	18-23	NUP-63-8
N63-19399	18-15	NO REPORT NUMBER
N63-19400	18-16	CARI-63-5
N63-19401	19-23	UCRL-10621
N63-19402	19-08	RM-3759-PR
N63-19403	19-15	AFCRL-63-687
N63-19404	19-18	AROD-2884-1
N63-19405	19-23	AROD-3323-2
N63-19406	19-16	AAL-TDR-62-53
N63-19407	19-33	NEL-31
N63-19408	19-24	NO REPORT NUMBER
N63-19409	19-29	RM-3474-PR
N63-19410	19-18	AFCRL-63-632
N63-19411	19-01	AFCRL-63-192
N63-19412	19-18	NO REPORT NUMBER
N63-19413	19-23	NO REPORT NUMBER
N63-19414	19-23	NO REPORT NUMBER
N63-19415	19-23	NO REPORT NUMBER
N63-19416	19-23	NO REPORT NUMBER
N63-19417	19-25	NO REPORT NUMBER
N63-19418	19-25	NO REPORT NUMBER
N63-19419	19-25	NO REPORT NUMBER
N63-19420	19-18	NO REPORT NUMBER
N63-19421	19-23	NO REPORT NUMBER
N63-19422	19-24	AFCRL-63-155
N63-19423	19-32	NO REPORT NUMBER
N63-19424	19-11	AEDC-TDR-63-174
N63-19425	19-17	NO REPORT NUMBER
N63-19426	19-25	NO REPORT NUMBER
N63-19427	19-06	ASD-TDR-63-287
N63-19428	19-09	NO REPORT NUMBER
N63-19429	19-09	AFCRL-63-140
N63-19430	19-08	S-75-R-26
N63-19431	19-08	NO REPORT NUMBER
N63-19432	19-09	NO REPORT NUMBER
N63-19433	19-33	NO REPORT NUMBER
N63-19434	19-10	AMRL-TDR-63-54, VOL. 1
N63-19435	19-33	ME-6
N63-19436	19-14	NO REPORT NUMBER
N63-19437	19-16	AMRL-TDR-63-43
N63-19438	19-18	R-1678
N63-19439	19-19	NARF-63-IT
N63-19440	19-24	NO REPORT NUMBER
N63-19441	19-04	NO REPORT NUMBER
N63-19442	19-24	PWA-2125
N63-19443	19-15	TCREC-TR-62-109
N63-19444	19-24	S3-63-22
N63-19445	19-33	WAL-TR-893.3/4
N63-19446	19-09	NADC-EL-6319
N63-19447	19-27	RTD-TDR-63-1048
N63-19448	19-23	NO REPORT NUMBER
N63-19449	19-09	NO REPORT NUMBER
N63-19450	19-19	CL-63-41, ADDEND.
N63-19451	19-18	NO REPORT NUMBER
N63-19452	19-16	AMRL-TDR-63-44
N63-19453	19-16	AMRL-TDR-63-60
N63-19454	19-11	CM-1033
N63-19455	19-16	AAL-TDR-62-49
N63-19456	19-18	NO REPORT NUMBER
N63-19457	19-33	POULTER LABS.-TR-001-63
N63-19458	19-33	NO REPORT NUMBER
N63-19459	19-33	NO REPORT NUMBER
N63-19460	19-08	AID-T-63-96
N63-19461	19-08	NO REPORT NUMBER
N63-19462	19-08	NO REPORT NUMBER
N63-19463	19-33	ASD-TDR-63-245
N63-19464	19-17	ASD-TDR-63-474
N63-19465	19-25	RADC-TDR-63-226
N63-19466	19-18	NO REPORT NUMBER
N63-19467	19-15	AMRL-TDR-63-42
N63-19468	19-11	NO REPORT NUMBER
N63-19469	19-08	NO REPORT NUMBER
N63-19470		ACC. NO. NOT USED
N63-19471	19-18	ASD-TDR-62-204,PT.II
N63-19472	19-01	NO REPORT NUMBER
N63-19473	19-29	AIAA PAPER-63-150
N63-19474	19-16	NO REPORT NUMBER
N63-19475	19-15	NO REPORT NUMBER
N63-19476		ACC. NO. NOT USED
N63-19477	19-12	AFCRL-63-198
N63-19478	19-16	NO REPORT NUMBER
N63-19479	19-16	NO REPORT NUMBER
N63-19480	19-29	NO REPORT NUMBER
N63-19481	19-16	NO REPORT NUMBER
N63-19482	19-16	NO REPORT NUMBER
N63-19483	19-15	NO REPORT NUMBER
N63-19484	19-16	NO REPORT NUMBER
N63-19485	19-28	NO REPORT NUMBER
N63-19486	19-28	NO REPORT NUMBER
N63-19487	19-28	NO REPORT NUMBER
N63-19488	19-29	NO REPORT NUMBER
N63-19489	19-16	NO REPORT NUMBER
N63-19490	19-28	NO REPORT NUMBER
N63-19491	19-16	NO REPORT NUMBER
N63-19492	19-16	NO REPORT NUMBER
N63-19493	19-16	NO REPORT NUMBER
N63-19494	19-16	NO REPORT NUMBER
N63-19495	19-07	EUR-301.D
N63-19496	19-18	NO REPORT NUMBER
N63-19497	19-17	RIA-63-1836
N63-19498	19-27	NASA-CR-50662
N63-19499	19-16	LF-4
N63-19500	19-15	AGARD-404
N63-19501	19-07	HW-76222
N63-19502	19-18	IITRI-B241-7

N63-19503	19-09	AAL-TN-63-3
N63-19504	19-09	PIBMRI-1174-63
N63-19505	19-20	NO REPORT NUMBER
N63-19506	19-23	HW-77311
N63-19507	19-14	AMRL-TDR-63-58
N63-19508	19-20	SDC-TM-738-003-00
N63-19509	19-21	RM-3687-PR
N63-19510	19-11	AEDC-TDR-63-109
N63-19511	19-20	CAL-QM-1626-A-12/II/
N63-19512	19-16	AMRL-TDR-63-37
N63-19513	19-22	R-898
N63-19514	19-12	AID-P-63-87
N63-19515	19-18	RFP-307
N63-19516	19-20	BRL-MEMO-1466
N63-19517	19-20	NO REPORT NUMBER
N63-19518	19-09	CAL-AP/RIS-1
N63-19519	19-20	ORNL-3429
N63-19520	19-09	ORNL-3457
N63-19521	19-21	JPRS-20302
N63-19522	19-20	JPRS-20501
N63-19523	19-10	UR-629
N63-19524	19-14	AFCRL-63-164
N63-19525	19-07	AFCRL-63-160
N63-19526	19-23	NO REPORT NUMBER
N63-19527	19-04	NO REPORT NUMBER
N63-19528	19-25	NO REPORT NUMBER
N63-19529	19-18	NO REPORT NUMBER
N63-19530	19-18	WAL-TR-834.2/9
N63-19531	19-29	NO REPORT NUMBER
N63-19532		ACC. NO. NOT USED
N63-19533	19-13	RADC-TDR-63-214
N63-19534	19-13	RADC-TDR-63-242
N63-19535	19-32	JPL-TR-32-141
N63-19536	19-32	NO REPORT NUMBER
N63-19537	19-32	NO REPORT NUMBER
N63-19538	19-32	NO REPORT NUMBER
N63-19539	19-32	NO REPORT NUMBER
N63-19540	19-32	NO REPORT NUMBER
N63-19541	19-32	NO REPORT NUMBER
N63-19542	19-32	NO REPORT NUMBER
N63-19543	19-20	NASA-CR-50831
N63-19544	19-16	SERL-63-6
N63-19545	19-07	AROD-2579-15
N63-19546	19-24	AFCRL-63-169
N63-19547	19-25	AROD-3083-5
N63-19548	19-09	NO REPORT NUMBER
N63-19549	19-23	AFCRL-63-167
N63-19550	19-12	AFCRL-63-619
N63-19551	19-17	NO REPORT NUMBER
N63-19552	19-28	AERE-R-4137
N63-19553	19-05	JPRS-20475
N63-19554	19-21	AFCRL-63-628
N63-19555	19-21	NO REPORT NUMBER
N63-19556	19-21	NO REPORT NUMBER
N63-19557	19-21	NO REPORT NUMBER
N63-19558	19-21	NO REPORT NUMBER
N63-19559	19-21	NO REPORT NUMBER
N63-19560	19-21	NO REPORT NUMBER
N63-19561	19-21	NO REPORT NUMBER
N63-19562	19-21	NO REPORT NUMBER
N63-19563	19-21	NO REPORT NUMBER
N63-19564	19-21	NO REPORT NUMBER
N63-19565	19-21	NO REPORT NUMBER
N63-19566	19-21	NO REPORT NUMBER
N63-19567	19-21	NO REPORT NUMBER
N63-19568	19-05	NO REPORT NUMBER
N63-19569		ACC. NO. NOT USED
N63-19570	19-13	NO REPORT NUMBER
N63-19571	19-21	NO REPORT NUMBER
N63-19572	19-21	NO REPORT NUMBER
N63-19573	19-21	NO REPORT NUMBER
N63-19574	19-21	NO REPORT NUMBER
N63-19575	19-23	NO REPORT NUMBER
N63-19576	19-05	AFCRL-63-824
N63-19577		ACC. NO. NOT USED
N63-19578		ACC. NO. NOT USED
N63-19579		ACC. NO. NOT USED
N63-19580		ACC. NO. NOT USED
N63-19581		ACC. NO. NOT USED
N63-19582		ACC. NO. NOT USED
N63-19583		ACC. NO. NOT USED
N63-19584		ACC. NO. NOT USED
N63-19585		ACC. NO. NOT USED
N63-19586		ACC. NO. NOT USED
N63-19587		ACC. NO. NOT USED
N63-19588		ACC. NO. NOT USED
N63-19589	19-12	AFCRL-63-653
N63-19590	19-23	LNF-63/33
N63-19591	19-23	LNF-63/38
N63-19592	19-01	NO REPORT NUMBER
N63-19593	19-06	NO REPORT NUMBER
N63-19594	19-13	R63SD46
N63-19595	19-27	NASA-CR-50663
N63-19596	19-27	NASA-CR-50661
N63-19597	19-27	NASA-CR-50660
N63-19598	19-11	RE-TR-62-9
N63-19599	19-23	GA-4322
N63-19600	19-07	IDO-14611
N63-19601	19-07	BM-RI-6259
N63-19602	19-11	ATN-63/9227/-3
N63-19603	19-23	NO REPORT NUMBER
N63-19604	19-03	NASA-TN-D-1806
N63-19605	19-12	NASA-TN-D-1851
N63-19606	19-29	NASA-TN-D-1921
N63-19607	19-31	NASA-TN-D-1932
N63-19608	19-11	NASA-TN-D-1942
N63-19609	19-30	NASA-TN-D-1951
N63-19610	19-34	NASA-TN-D-2059
N63-19611	19-34	NO REPORT NUMBER
N63-19612	19-33	NO REPORT NUMBER
N63-19613	19-18	USBM-U-1057
N63-19614	19-20	HW-76692
N63-19615	19-18	WAL-TR-110.9/1
N63-19616	19-21	NO REPORT NUMBER
N63-19617	19-17	NO REPORT NUMBER
N63-19618	19-29	NO REPORT NUMBER
N63-19619	19-28	NO REPORT NUMBER
N63-19620	19-02	NO REPORT NUMBER
N63-19621	19-01	NO REPORT NUMBER
N63-19622	19-09	RADC-RAL-TM-63-7
N63-19623	19-11	CAL-QM-1626-A-11
N63-19624	19-18	WAL-TR-405.2/1
N63-19625	19-18	ARL/MET-46
N63-19626	19-13	ABL/X-98
N63-19627	19-23	LNF-63/31
N63-19628	19-21	AFCRL-63-449
N63-19629	19-19	RDR-1343-2
N63-19630	19-09	RADC-TDR-63-222
N63-19631	19-18	LA-2871
N63-19632	19-18	NO REPORT NUMBER
N63-19633	19-11	LB-31088
N63-19634	19-09	DP-821
N63-19635	19-16	UR-625
N63-19636	19-09	NO REPORT NUMBER
N63-19637	19-14	NO REPORT NUMBER
N63-19638	19-20	NASA-CR-50675
N63-19639	19-16	AAL-TDR-62-20
N63-19640	19-16	UCRL-7254
N63-19641	19-11	CAL-RH-1670-A-1
N63-19642	19-11	BRL-1203
N63-19643	19-14	ESD-TDR-63-328
N63-19644	19-13	AEDC-TDR-63-139
N63-19645	19-26	FTD-TT-62-1417/1&2&3&4
N63-19646	19-12	NO REPORT NUMBER
N63-19647	19-23	NO REPORT NUMBER
N63-19648	19-25	NO REPORT NUMBER
N63-19649	19-23	AFCRL-63-682
N63-19650	19-07	NASA-TN-D-1739
N63-19651	19-13	NASA-TN-D-1742
N63-19652	19-23	NASA-TN-D-1807
N63-19653	19-20	NOLTR-63-132
N63-19654	19-20	NOLTR-63-124
N63-19655	19-10	AFCRL-62-1113
N63-19656	19-18	ASD-TR-61-181, PT. III
N63-19657	19-18	NO REPORT NUMBER
N63-19658	19-18	NO REPORT NUMBER
N63-19659	19-18	NO REPORT NUMBER
N63-19660	19-18	NO REPORT NUMBER
N63-19661	19-18	NO REPORT NUMBER
N63-19662	19-18	FA-R-1677
N63-19663	19-14	AMRL-TDR-63-18
N63-19664	19-09	RADC-TDR-63-252
N63-19665		ACC. NO. NOT USED
N63-19666	19-17	ARF-B6001-4
N63-19667	19-08	R63ELC10
N63-19668	19-09	RADC-TDR-63-291
N63-19669	19-20	AFCRL-63-163
N63-19670	19-25	NO REPORT NUMBER
N63-19671	19-17	NO REPORT NUMBER
N63-19672	19-33	GDC-63-132A
N63-19673	19-18	NO REPORT NUMBER
N63-19674	19-07	NASA-CR-50787
N63-19675	19-21	NO REPORT NUMBER
N63-19676	19-12	IGY-ROCKET REPT.-7
N63-19677	19-12	NO REPORT NUMBER
N63-19678	19-12	NO REPORT NUMBER
N63-19679	19-12	NO REPORT NUMBER
N63-19680	19-12	NO REPORT NUMBER
N63-19681	19-12	NO REPORT NUMBER
N63-19682	19-12	NO REPORT NUMBER

N63-19683 19-12 ..... NO REPORT NUMBER
N63-19684 19-12 ..... NO REPORT NUMBER
N63-19685 19-12 ..... NO REPORT NUMBER
N63-19686 19-12 ..... NO REPORT NUMBER
N63-19687 19-12 ..... NO REPORT NUMBER
N63-19688 19-12 ..... NO REPORT NUMBER
N63-19689 19-15 ..... NO REPORT NUMBER
N63-19690 19-12 ..... NO REPORT NUMBER
N63-19691 19-12 ..... NO REPORT NUMBER
N63-19692 19-12 ..... NO REPORT NUMBER
N63-19693 19-12 ..... NO REPORT NUMBER
N63-19694 19-12 ..... NO REPORT NUMBER
N63-19695 19-05 ..... NO REPORT NUMBER
N63-19696 19-05 ..... NO REPORT NUMBER
N63-19697 19-12 ..... NO REPORT NUMBER
N63-19698 19-05 ..... NO REPORT NUMBER
N63-19699 19-05 ..... NO REPORT NUMBER
N63-19700 19-05 ..... NO REPORT NUMBER
N63-19701 19-28 ..... NO REPORT NUMBER
N63-19702 19-05 ..... NO REPORT NUMBER
N63-19703 19-05 ..... NO REPORT NUMBER
N63-19704 19-05 ..... NO REPORT NUMBER
N63-19705 19-12 ..... NO REPORT NUMBER
N63-19706 19-16 ..... HW-76000
N63-19707 19-21 ..... RSIC-36
N63-19708 19-28 ..... AFCRL-63-681
N63-19709 19-23 ..... PNE-104F
N63-19710 19-23 ..... AF-EOAR-62-103
N63-19711 19-23 ..... AFCRL-63-168
N63-19712 19-23 ..... AMP-112
N63-19713 19-18 ..... NO REPORT NUMBER
N63-19714 19-23 ..... REIC-28
N63-19715 19-27 ..... ABL/X-87
N63-19716 19-23 ..... U-2231
N63-19717 19-18 ..... E-498-MC
N63-19718 19-21 ..... AFCRL-63-826
N63-19719 19-15 ..... AFCRL-63-832
N63-19720 19-12 ..... AFCRL-63-485
N63-19721 19-21 ..... RSIC-38
N63-19722 19-07 ..... DP-831
N63-19723 19-23 ..... BMI-1632/DEL./
N63-19724 19-23 ..... LF-9
N63-19725 19-21 ..... RSIC-34
N63-19726 19-19 ..... T&AM-249
N63-19727 19-11 ..... ATN-63/9220/-6
N63-19728 19-21 ..... AFCRL-63-690
N63-19729 19-21 ..... JPRS-20686
N63-19730 19-25 ..... ANL-6744
N63-19731 19-05 ..... RSIC-35
N63-19732 19-21 ..... NSSP-16
N63-19733 19-33 ..... NASA-TN-D-1740
N63-19734 19-29 ..... NASA-TN-D-1838
N63-19735 19-30 ..... NASA-TN-D-1855
N63-19736 19-04 ..... NASA-TN-D-1946
N63-19737 19-03 ..... NASA-TN-D-1957
N63-19738 19-28 ..... ASD-TDR-62-606
N63-19739 19-10 ..... AMRL-TDR-63-48
N63-19740 19-07 ..... BM-RI-6260
N63-19741 19-07 ..... NAA-SR-8422
N63-19742 ..... ACC. NO. NOT USED
N63-19743 19-32 ..... ORA-63-6
N63-19744 19-24 ..... AROD-2802-5
N63-19745 19-17 ..... SPS-977
N63-19746 19-26 ..... BRL-MEMO-1485
N63-19747 19-13 ..... EOS-3000-FINAL
N63-19748 19-21 ..... RR-TR-63-2
N63-19749 19-21 ..... SAD-125
N63-19750 19-16 ..... NO REPORT NUMBER
N63-19751 19-16 ..... JPRS-20517
N63-19752 19-16 ..... JPRS-20550
N63-19753 19-16 ..... JPRS-20575
N63-19754 19-21 ..... JPRS-20628
N63-19755 19-21 ..... RSIC-31
N63-19756 19-21 ..... RSIC-37
N63-19757 19-09 ..... AFCRL-63-194
N63-19758 19-16 ..... ARL-TDR-63-19
N63-19759 19-16 ..... ARL-TDR-63-21
N63-19760 19-16 ..... ARL-TDR-63-22
N63-19761 19-11 ..... BSD-TDR-63-153
N63-19762 19-32 ..... NO REPORT NUMBER
N63-19763 19-15 ..... NO REPORT NUMBER
N63-19764 19-11 ..... AROD-2231-9
N63-19765 19-12 ..... NO REPORT NUMBER
N63-19766 19-07 ..... ONR-TR-RLT-61
N63-19767 19-01 ..... SRIA-65
N63-19768 19-05 ..... NO REPORT NUMBER
N63-19769 19-09 ..... AFCRL-63-170
N63-19770 19-25 ..... NO REPORT NUMBER
N63-19771 19-23 ..... HW-75278
N63-19772 19-30 ..... CAL-AA-1506-W-1
N63-19773 ..... ACC. NO. NOT USED
N63-19774 19-15 ..... K-1577
N63-19775 ..... ACC. NO. NOT USED
N63-19776 19-33 ..... SR-63-43
N63-19777 19-18 ..... ASD-TDR-63-343, PT. I
N63-19778 19-08 ..... RADC-TDR-63-255
N63-19779 19-08 ..... RADC-TDR-63-256
N63-19780 19-28 ..... AFCRL-63-470
N63-19781 19-29 ..... RM-3534-PR
N63-19782 19-33 ..... JPL-TR-32-112
N63-19783 19-27 ..... NASA-CR-50727
N63-19784 19-10 ..... NASA-CR-50764
N63-19785 19-10 ..... NASA-CR-50615
N63-19786 19-16 ..... NASA-CR-50778
N63-19787 19-26 ..... NASA-CR-50779
N63-19788 19-11 ..... NO REPORT NUMBER
N63-19789 19-33 ..... RM-3529-PR
N63-19790 19-18 ..... NO REPORT NUMBER
N63-19791 19-08 ..... NO REPORT NUMBER
N63-19792 19-26 ..... NO REPORT NUMBER
N63-19793 19-09 ..... AFCRL-63-186
N63-19794 19-24 ..... UCRL-10698
N63-19795 19-10 ..... JPRS-20378
N63-19796 19-21 ..... RSIC-39
N63-19797 19-07 ..... WAPD-TM-351
N63-19798 19-23 ..... LAMS-2933
N63-19799 19-06 ..... ASD-TDR-63-75
N63-19800 19-07 ..... BM-RI-6277
N63-19801 19-12 ..... NO REPORT NUMBER
N63-19802 19-14 ..... JPRS-20543
N63-19803 19-20 ..... AROD-2934-12
N63-19804 ..... ACC. NO. NOT USED
N63-19805 19-25 ..... AROD-1176-20
N63-19806 19-08 ..... AFCRL-63-159
N63-19807 19-07 ..... NRL-5959
N63-19808 19-09 ..... AFCRL-62-907
N63-19809 19-19 ..... RIA-63-1573
N63-19810 19-25 ..... NO REPORT NUMBER
N63-19811 19-16 ..... UR-627
N63-19812 19-23 ..... EUR-360.I
N63-19813 19-07 ..... ORNL-3471
N63-19814 19-08 ..... AFCRL-63-136
N63-19815 19-11 ..... CAL-QM-1626-A-13
N63-19816 19-11 ..... RSIC-33
N63-19817 19-23 ..... UCRL-10783
N63-19818 19-16 ..... JPRS-20469
N63-19819 19-16 ..... JPRS-20255
N63-19820 19-13 ..... NOLTR-63-100
N63-19821 19-23 ..... NOLTR-63-103
N63-19822 19-18 ..... NO REPORT NUMBER
N63-19823 19-19 ..... ONR-TR-RLT-63
N63-19824 19-11 ..... AS-63-2
N63-19825 19-20 ..... ANL-6716
N63-19826 19-14 ..... AMRL-TDR-63-25
N63-19827 19-16 ..... NO REPORT NUMBER
N63-19828 19-16 ..... NO REPORT NUMBER
N63-19829 19-16 ..... NO REPORT NUMBER
N63-19830 19-16 ..... NO REPORT NUMBER
N63-19831 19-16 ..... NO REPORT NUMBER
N63-19832 19-16 ..... NO REPORT NUMBER
N63-19833 19-16 ..... NO REPORT NUMBER
N63-19834 19-16 ..... NO REPORT NUMBER
N63-19835 19-16 ..... NO REPORT NUMBER
N63-19836 19-16 ..... CARI-63-6
N63-19837 19-04 ..... LB-31050
N63-19838 19-27 ..... TCREC-TR-62-80
N63-19839 19-21 ..... AFCRL-63-493
N63-19840 19-14 ..... JPRS-20403
N63-19841 19-20 ..... ANL-6729
N63-19842 19-24 ..... ORNL-3472
N63-19843 19-18 ..... NO REPORT NUMBER
N63-19844 19-19 ..... RIA-TR-63-1574
N63-19845 19-16 ..... AMRL-TDR-63-52
N63-19846 19-16 ..... AMRL-TDR-63-53
N63-19847 19-13 . AERONAUTICAL ENG. REPT.-483D
N63-19848 19-15 ..... AFCRL-63-809
N63-19849 19-12 ..... RRS/IM-94
N63-19850 19-23 ..... RS-TR-62-4
N63-19851 19-29 ..... NASA-CR-50785
N63-19852 19-17 ..... NASA-CR-50826
N63-19853 ..... ACC. NO. NOT USED
N63-19854 19-17 ..... NASA-CR-50814
N63-19855 19-10 ..... NASA-CR-50753
N63-19856 19-33 ..... NASA-CR-50600
N63-19857 19-12 ..... NASA-CR-50609
N63-19858 19-33 ..... NASA-TN-D-2012
N63-19859 19-23 ..... NASA-TT-F-110
N63-19860 19-28 ..... NASA-TT-F-116
N63-19861 19-23 ..... NASA-TT-F-154
N63-19862 19-29 ..... NASA-TT-F-165

N63-19863	19-29	NASA-TT-F-170
N63-19864	19-29	NASA-TT-F-171
N63-19865	19-13	NASA-TT-F-178
N63-19866	19-33	ASD-TDR-63-559
N63-19867	19-01	NO REPORT NUMBER
N63-19868	19-07	TRACOR-63-216-U
N63-19869	19-09	RAE-TN-SPACE-33
N63-19870	19-14	NO REPORT NUMBER
N63-19871	19-06	MR-21
N63-19872	19-23	GDA-63-0592
N63-19873	19-17	JPRS-20734
N63-19874	19-16	JPRS-20748
N63-19875	19-07	AFCRL-63-666
N63-19876	19-33	BRL-1184
N63-19877	19-34	RS-TR-63-8
N63-19878	19-26	NO REPORT NUMBER
N63-19879	19-02	AEDC-TDR-63-137
N63-19880	19-25	AFCRL-63-178
N63-19881	19-20	RADC-TDR-63-307
N63-19882	19-03	DTMB-AERO-1055
N63-19883	19-03	DTMB-AERO-1056
N63-19884	19-24	CAL-AG-1547-Y-1
N63-19885	19-18	LAMS-2906
N63-19886	19-19	RD-343-Q1
N63-19887	19-17	ASD-TDR-63-601
N63-19888	19-16	CARI-63-3
N63-19889	19-07	NO REPORT NUMBER
N63-19890	19-17	NO REPORT NUMBER
N63-19891	19-24	AFSWC-TDR-63-35
N63-19892	19-30	ERDA-55
N63-19893	19-17	ASC-TR-7-827/VIII/
N63-19894	19-20	IMM-NYU-311
N63-19895	19-20	Y-1420
N63-19896	19-13	RSIC-29
N63-19897	19-23	NO REPORT NUMBER
N63-19898	19-25	AFCRL-63-147
N63-19899	19-24	MATT-180
N63-19900	19-24	MATT-190
N63-19901	19-26	NO REPORT NUMBER
N63-19902	19-32	NO REPORT NUMBER
N63-19903	19-15	ARL/F-33
N63-19904	19-22	ARL/HE-14
N63-19905	19-22	ARL/HE-2
N63-19906	19-08	ARL/ME-105
N63-19907	19-04	ARL/SM-275
N63-19908	19-18	ARL/MET-49
N63-19909	19-23	AFCRL-63-667
N63-19910	19-24	MATT-204
N63-19911	19-11	AVCO-EVERETT RES. REPT.-154
N63-19912	19-16	JPRS-20609
N63-19913	19-25	JPRS-20708
N63-19914	19-07	PA-TM-1217
N63-19915	19-20	EUR-284.E
N63-19916	19-13	EUR-348.D
N63-19917	19-20	NO REPORT NUMBER
N63-19918	19-25	UCRL-10778
N63-19919	19-18	NO REPORT NUMBER
N63-19920	19-17	RIA-63-1651
N63-19921	19-12	UCRL-7309, REV. I
N63-19922	19-18	C-17
N63-19923	19-18	NO REPORT NUMBER
N63-19924	19-09	HSER-2678
N63-19925	19-09	UCRL-10855
N63-19926	19-19	HR-63-266
N63-19927	19-08	RADC-TDR-63-278
N63-19928	19-24	RADC-TDR-63-288
N63-19929	19-25	BRN-7-P
N63-19930	19-08	AFCRL-63-455
N63-19931	19-01	RM-3646-PR
N63-19932	19-19	NOLTR-63-73
N63-19933	19-18	ARL/MET-47
N63-19934	19-06	AFCRL-TDR-63-492
N63-19935	19-22	NO REPORT NUMBER
N63-19936	19-15	NO REPORT NUMBER
N63-19937	19-21	NO REPORT NUMBER
N63-19938	19-21	NO REPORT NUMBER
N63-19939	19-02	NASA-CR-50606
N63-19940	19-29	NASA-CR-50730
N63-19941	19-07	NASA-CR-50642
N63-19942	19-34	NASA-CR-50755
N63-19943	19-22	NASA-TM-X-50185
N63-19944	19-22	NASA-TM-X-50184
N63-19945	19-29	NASA-TM-X-50238
N63-19946	19-28	NASA-CR-50733
N63-19947	19-23	NASA-CR-50776
N63-19948	19-32	NASA-CR-50820
N63-19949	19-13	NASA-CR-50882
N63-19950	19-06	NASA-CR-50724
N63-19951	19-32	NASA-CR-50735
N63-19952	19-29	SID-62-519
N63-19953	19-32	ARC-R-58
N63-19954	19-23	PA-TR-3045
N63-19955	19-08	JPRS-20588
N63-19956	19-16	JPRS-20749
N63-19957	19-32	NASA-CR-50798
N63-19958	19-29	NASA-CR-50794
N63-19959	19-10	NASA-CR-50801
N63-19960	19-29	NASA-CR-50832
N63-19961	19-29	NASA-CR-50873
N63-19962	19-16	NASA-CR-50843
N63-19963	19-29	NASA-TM-X-50278
N63-19964	19-06	NASA-CR-50774
N63-19965	19-16	NO REPORT NUMBER
N63-19966	19-19	RAD-TR-63-32
N63-19967	19-17	NASA-CR-50824
N63-19968		ACC. NO. NOT USED
N63-19969	19-23	AE-89
N63-19970	19-23	EUR-221.E
N63-19971	19-16	DVL-228
N63-19972	19-09	PIBMRI-1092-62
N63-19973	19-23	CARDE-TN-1557/63
N63-19974	19-23	AFCRL-63-822
N63-19975	19-25	AFCRL-63-312
N63-19976	19-23	AROD-2558-7
N63-19977	19-07	AROD-007-16
N63-19978	19-20	NO REPORT NUMBER
N63-19979	19-16	NO REPORT NUMBER
N63-19980	19-21	NO REPORT NUMBER
N63-19981	19-21	NO REPORT NUMBER
N63-19982	19-22	FFA-95
N63-19983	19-08	P-372-R
N63-19984	19-09	NBS-TN-177
N63-19985	19-17	NO REPORT NUMBER
N63-19986	19-01	Y-1272
N63-19987	19-25	NO REPORT NUMBER
N63-19988	19-02	NASA-TM-X-50217
N63-19989	19-23	NO REPORT NUMBER
N63-19990	19-28	NASA-CR-50780
N63-19991	19-17	NASA-CR-50846
N63-19992	19-15	SCR-617
N63-19993	19-19	NBS-MONOGRAPH-59
N63-19994	19-33	WGLR-5/1963
N63-19995	19-11	DVL-246
N63-19996	19-15	NO REPORT NUMBER
N63-19997	19-12	SAD-121
N63-19998	19-03	AVA-62-03
N63-19999	19-13	AFOSR-TN-59-1167
N63-20000	19-01	NO REPORT NUMBER
N63-20001	19-18	WAL-TR-323.4/2
N63-20002	19-23	DVL-244
N63-20003	19-18	NO REPORT NUMBER
N63-20004	19-18	NO REPORT NUMBER
N63-20005	19-18	NO REPORT NUMBER
N63-20006	19-23	NO REPORT NUMBER
N63-20007	19-18	ASD-TDR-63-635
N63-20008	19-11	RAC-882A
N63-20009	19-11	RR-463-7
N63-20010	19-09	ASA-C85.1-1963
N63-20011	19-28	NO REPORT NUMBER
N63-20012	19-34	RADC-TDR-63-312
N63-20013	19-09	RADC-TDR-63-234
N63-20014	19-02	NO REPORT NUMBER
N63-20015	19-08	RADC-TDR-62-281
N63-20016	19-16	RADC-TDR-63-125
N63-20017	19-09	GA-4395
N63-20018	19-20	RADC-TDR-63-160
N63-20019	19-08	NO REPORT NUMBER
N63-20020	19-08	CREL-1145
N63-20021	19-01	COA-158
N63-20022	19-09	TR-1145
N63-20023	19-27	AEDC-TDR-63-85
N63-20024	19-27	NO REPORT NUMBER
N63-20025	19-11	NO REPORT NUMBER
N63-20026	19-18	WAL-TR-834.12/2-2
N63-20027	19-21	ERDA-48
N63-20028	19-21	ERDA-49
N63-20029	19-11	NO REPORT NUMBER
N63-20030	19-18	NO REPORT NUMBER
N63-20031	19-29	AIAA PAPER-63-353
N63-20032	19-17	SB-62-6
N63-20033	19-23	CU-6-63-SC-90789
N63-20034	19-12	JPRS-20465
N63-20035	19-12	NYO-3943
N63-20036	19-20	R-45
N63-20037	19-20	R-54
N63-20038	19-23	NO REPORT NUMBER
N63-20039	19-23	NO REPORT NUMBER
N63-20040	19-11	NO REPORT NUMBER
N63-20041	19-23	R-53
N63-20042	19-15	NO REPORT NUMBER

N63-20043	19-16	FPRC/MEMO.-186
N63-20044	19-33	NO REPORT NUMBER
N63-20045	19-28	NO REPORT NUMBER
N63-20046	19-21	NO REPORT NUMBER
N63-20047	19-04	ARC-CP-639
N63-20048	19-17	BIB-2
N63-20049	19-17	BIB-3
N63-20050	19-17	BIB-4
N63-20051	19-11	BIB-6
N63-20052	19-11	BIB-7
N63-20053	19-02	BIB-7/SUPPL./
N63-20054	20-11	BIB-9
N63-20055	20-17	BIB-10
N63-20056	20-17	BIB-11
N63-20057	20-17	BIB-12
N63-20058	20-25	AEEW-R-235, PT. III
N63-20059	20-03	AVA-62-01
N63-20060	20-24	AVCO-EVERETT RES. REPT.-153
N63-20061	20-26	NO REPORT NUMBER
N63-20062	20-18	EUR-357.D
N63-20063	20-28	IDA/HQ-63-1715
N63-20064	20-23	RAD-TR-63-26
N63-20065	20-12	PNE-217F
N63-20066	20-23	NO REPORT NUMBER
N63-20067	20-22	NO REPORT NUMBER
N63-20068	20-22	NO REPORT NUMBER
N63-20069	20-23	NOLTR-62-197
N63-20070	20-28	NO REPORT NUMBER
N63-20071		ACC. NO. NOT USED
N63-20072	20-23	NO REPORT NUMBER
N63-20073	20-16	NO REPORT NUMBER
N63-20074	20-25	NO REPORT NUMBER
N63-20075	20-09	NO REPORT NUMBER
N63-20076	20-17	FPRC/MEMO.-185
N63-20077	20-06	NWL-1872
N63-20078	20-21	NO REPORT NUMBER
N63-20079	20-08	NO REPORT NUMBER
N63-20080	20-08	NO REPORT NUMBER
N63-20081	20-05	NO REPORT NUMBER
N63-20082	20-18	NO REPORT NUMBER
N63-20083	20-18	NO REPORT NUMBER
N63-20084	20-18	NO REPORT NUMBER
N63-20085	20-18	NO REPORT NUMBER
N63-20086	20-18	NO REPORT NUMBER
N63-20087	20-18	NO REPORT NUMBER
N63-20088	20-18	NO REPORT NUMBER
N63-20089	20-18	NO REPORT NUMBER
N63-20090	20-18	NO REPORT NUMBER
N63-20091	20-18	NO REPORT NUMBER
N63-20092	20-18	NO REPORT NUMBER
N63-20093	20-18	NO REPORT NUMBER
N63-20094	20-18	NO REPORT NUMBER
N63-20095	20-18	NO REPORT NUMBER
N63-20096	20-18	NO REPORT NUMBER
N63-20097	20-18	NO REPORT NUMBER
N63-20098	20-18	NO REPORT NUMBER
N63-20099	20-18	NO REPORT NUMBER
N63-20100	20-19	NO REPORT NUMBER
N63-20101	20-16	TIS-635SD238
N63-20102	20-23	NO REPORT NUMBER
N63-20103	20-23	NO REPORT NUMBER
N63-20104	20-23	NO REPORT NUMBER
N63-20105	20-23	NO REPORT NUMBER
N63-20106	20-23	NO REPORT NUMBER
N63-20107	20-23	NASA-TN-D-1872
N63-20108	20-31	NO REPORT NUMBER
N63-20109	20-11	AEDC-TDR-63-120
N63-20110	20-16	FPRC/MEMO-190
N63-20111	20-15	TRECOM-TR-63-8
N63-20112	20-15	TRECOM-TR-63-10,VOL.1
N63-20113	20-15	TRECOM-TR-63-10,VOL.2
N63-20114	20-15	TRECOM-TR-63-10,VOL.3
N63-20115	20-09	RADC-TDR-63-283
N63-20116	20-07	WADD-TR-61-72, VOL. 16
N63-20117	20-09	NO REPORT NUMBER
N63-20118	20-25	ASD-TDR-63-371
N63-20119	20-03	TRECOM-TR-63-16
N63-20120	20-27	NO REPORT NUMBER
N63-20121	20-19	NO REPORT NUMBER
N63-20122	20-09	AERE-M-983
N63-20123	20-18	ERSD-13-7
N63-20124	20-18	B-910068-1
N63-20125	20-18	WANL-PR-M-005
N63-20126	20-03	WGL-3/1962
N63-20127	20-03	NO REPORT NUMBER
N63-20128	20-03	NO REPORT NUMBER
N63-20129	20-03	NO REPORT NUMBER
N63-20130	20-03	NO REPORT NUMBER
N63-20131	20-03	NO REPORT NUMBER
N63-20132	20-23	AEDC-TDR-63-173
N63-20133	20-29	AIAA 63-345
N63-20134	20-09	AIAA 63-399
N63-20135	20-29	AIAA 63-412
N63-20136	20-28	AIAA PAPER-63-455
N63-20137	20-21	AFCRL-63-696
N63-20138	20-18	GEMP-25A
N63-20139	20-15	GEMP-78
N63-20140	20-26	NO REPORT NUMBER
N63-20141	20-18	NO REPORT NUMBER
N63-20142	20-01	TDR-169/3741-08/TN-1
N63-20143	20-01	TDR-169/3741-08/TN-2
N63-20144	20-14	BSD-TDR-63-127
N63-20145	20-15	AROD-3975-1
N63-20146	20-27	UTC-2015-FR
N63-20147	20-10	NO REPORT NUMBER
N63-20148	20-18	NO REPORT NUMBER
N63-20149	20-11	NO REPORT NUMBER
N63-20150		ACC. NO. NOT USED
N63-20151	20-04	WGLR-2/1963
N63-20152	20-04	NO REPORT NUMBER
N63-20153	20-04	NO REPORT NUMBER
N63-20154	20-04	NO REPORT NUMBER
N63-20155	20-04	NO REPORT NUMBER
N63-20156	20-04	NO REPORT NUMBER
N63-20157	20-04	NO REPORT NUMBER
N63-20158	20-04	NO REPORT NUMBER
N63-20159	20-04	WGLR-3/1963
N63-20160	20-04	NO REPORT NUMBER
N63-20161	20-04	NO REPORT NUMBER
N63-20162	20-19	WGL-4/1962
N63-20163	20-19	NO REPORT NUMBER
N63-20164	20-19	NO REPORT NUMBER
N63-20165	20-19	NO REPORT NUMBER
N63-20166	20-19	NO REPORT NUMBER
N63-20167	20-25	NO REPORT NUMBER
N63-20168	20-08	NO REPORT NUMBER
N63-20169	20-01	NO REPORT NUMBER
N63-20170	20-33	NA-62H-973
N63-20171	20-19	NO REPORT NUMBER
N63-20172	20-28	D2-90037
N63-20173	20-22	NO REPORT NUMBER
N63-20174	20-22	NO REPORT NUMBER
N63-20175	20-29	NO REPORT NUMBER
N63-20176	20-09	NO REPORT NUMBER
N63-20177	20-22	RM-3604-PR
N63-20178	20-13	NASA-TM-X-50226
N63-20179	20-16	AID-P-63-91
N63-20180	20-15	WGLR-1/1963
N63-20181	20-15	NO REPORT NUMBER
N63-20182	20-15	NO REPORT NUMBER
N63-20183	20-15	NO REPORT NUMBER
N63-20184	20-15	NO REPORT NUMBER
N63-20185	20-15	NO REPORT NUMBER
N63-20186	20-15	NO REPORT NUMBER
N63-20187	20-15	NO REPORT NUMBER
N63-20188	20-15	NO REPORT NUMBER
N63-20189	20-15	NO REPORT NUMBER
N63-20190	20-15	NO REPORT NUMBER
N63-20191	20-29	NASA-TM-X-50237
N63-20192	20-29	NASA-CR-50772
N63-20193	20-31	NASA-TM-X-50231
N63-20194	20-29	NASA-TM-X-50232
N63-20195	20-08	NASA-CR-50881
N63-20196	20-29	NASA-TM-X-50230
N63-20197	20-24	NO REPORT NUMBER
N63-20198	20-26	NO REPORT NUMBER
N63-20199	20-11	NO REPORT NUMBER
N63-20200	20-11	NO REPORT NUMBER
N63-20201	20-26	NO REPORT NUMBER
N63-20202	20-17	NO REPORT NUMBER
N63-20203	20-08	NASA-CR-50797
N63-20204	20-12	RRC-B84
N63-20205	20-25	AID-B-63-101
N63-20206	20-29	NASA-TM-X-50252
N63-20207	20-29	NASA-TM-X-50277
N63-20208	20-32	NASA-TM-X-50266
N63-20209	20-29	NASA-TM-X-50251
N63-20210	20-23	NASA-TM-X-50236
N63-20211	20-20	NASA-CR-50851
N63-20212	20-13	AE-87
N63-20213	20-14	NO REPORT NUMBER
N63-20214	20-29	NASA-CR-50783
N63-20215	20-19	NASA-TM-X-50242
N63-20216	20-27	NO REPORT NUMBER
N63-20217	20-10	NO REPORT NUMBER
N63-20218	20-10	NO REPORT NUMBER
N63-20219	20-16	NO REPORT NUMBER
N63-20220	20-16	NO REPORT NUMBER
N63-20221	20-21	NO REPORT NUMBER
N63-20222	20-21	NO REPORT NUMBER

N63-20223	20-01	NO REPORT NUMBER
N63-20224	20-07	AROD-3301-1
N63-20225	20-26	NO REPORT NUMBER
N63-20226	20-31	WGLR-4/1963
N63-20227	20-31	NO REPORT NUMBER
N63-20228	20-04	NO REPORT NUMBER
N63-20229	20-31	NO REPORT NUMBER
N63-20230	20-25	ORNL-3480
N63-20231	20-09	D2-9878-3
N63-20232	20-09	NO REPORT NUMBER
N63-20233	20-09	NO REPORT NUMBER
N63-20234	20-09	NO REPORT NUMBER
N63-20235	20-09	NO REPORT NUMBER
N63-20236	20-09	NO REPORT NUMBER
N63-20237	20-11	ARC-CP-645
N63-20238	20-09	EUR-151.F
N63-20239	20-06	RCA-AED-R-1875
N63-20240	20-07	AE-96
N63-20241	20-15	AFCRL-63-665
N63-20242	20-32	NASA-TM-X-50173
N63-20243	20-10	NASA-TM-X-50245
N63-20244	20-13	NASA-CR-50773
N63-20245	20-13	NASA-TM-X-50227
N63-20246	20-29	NASA-CR-50850
N63-20247	20-33	NASA-TM-X-50175
N63-20248	20-16	NASA-CR-50860
N63-20249	20-08	NASA-CR-50856
N63-20250	20-24	NASA-CR-50854
N63-20251	20-24	NASA-CR-50853
N63-20252	20-10	AID-P-63-88
N63-20253	20-16	AID-P-63-95
N63-20254	20-09	NASA-CR-50888
N63-20255		ACC. NO. NOT USED
N63-20256	20-16	NASA-CR-50828
N63-20257	20-23	JPL-TR-32-430
N63-20258	20-29	NASA-CR-50800
N63-20259	20-19	NASA-CR-50877
N63-20260	20-29	NO REPORT NUMBER
N63-20261	20-04	DFL-210
N63-20262		ACC. NO. NOT USED
N63-20263	20-21	NO REPORT NUMBER
N63-20264		ACC. NO. NOT USED
N63-20265	20-22	NO REPORT NUMBER
N63-20266	20-18	RSIC-32
N63-20267		ACC. NO. NOT USED
N63-20268	20-11	NASA-CR-50469
N63-20269	20-08	NO REPORT NUMBER
N63-20270	20-32	AIAA-PAPER-63073
N63-20271	20-21	NO REPORT NUMBER
N63-20272	20-27	NO REPORT NUMBER
N63-20273	20-12	NO REPORT NUMBER
N63-20274	20-13	NO REPORT NUMBER
N63-20275	20-05	NO REPORT NUMBER
N63-20276	20-19	TIL/T-5394
N63-20277	20-17	TIL/T-5344
N63-20278	20-29	NO REPORT NUMBER
N63-20279	20-01	RAS-TM-62-2
N63-20280	20-23	AECL-1778
N63-20281	20-18	FPR-007
N63-20282	20-23	USNRDL-TR-598
N63-20283	20-25	DS-117
N63-20284	20-19	DS-106
N63-20285	20-19	DS-107
N63-20286	20-25	DS-108
N63-20287	20-25	DS-120
N63-20288	20-19	DS-122
N63-20289	20-25	DS-126
N63-20290	20-19	DS-127
N63-20291		ACC. NO. NOT USED
N63-20292	20-13	GDA-63-0173
N63-20293	20-24	NO REPORT NUMBER
N63-20294	20-18	ASD-TDR-62-479, PART I
N63-20295	20-18	ASD-TDR-62-479, PART II
N63-20296	20-25	DS-111
N63-20297	20-25	DS-113
N63-20298	20-18	DS-114
N63-20299	20-25	DS-110
N63-20300	20-25	DS-119
N63-20301	20-23	F-2022-1
N63-20302	20-08	NO REPORT NUMBER
N63-20303	20-09	NO REPORT NUMBER
N63-20304	20-25	DS-121
N63-20305	20-33	ASD-TDR-63-411
N63-20306	20-19	DS-125
N63-20307	20-12	TDR-169/3260-50/TN-3
N63-20308	20-19	RADC-TDR-63-269
N63-20309	20-23	NO REPORT NUMBER
N63-20310	20-26	NO REPORT NUMBER
N63-20311	20-23	NO REPORT NUMBER
N63-20312	20-11	NO REPORT NUMBER
N63-20313	20-13	D2-22006
N63-20314	20-02	DI-82-0275
N63-20315	20-06	NASA-SP-3003
N63-20316	20-16	NASA-CR-50899
N63-20317	20-29	AIAA PAPER 63-420
N63-20318	20-19	NO REPORT NUMBER
N63-20319	20-32	AIAA PAPER 63-350
N63-20320	20-29	AIAA PAPER 63-410
N63-20321	20-29	AIAA PAPER-63-417
N63-20322	20-13	AIAA PAPER 63-465
N63-20323		ACC. NO. NOT USED
N63-20324	20-13	NASA-TN-D-1972
N63-20325	20-27	NO REPORT NUMBER
N63-20326	20-12	NRL-5983
N63-20327	20-17	JPRS-20566
N63-20328	20-16	JPRS-20791
N63-20329	20-18	JPRS-20810
N63-20330	20-14	NO REPORT NUMBER
N63-20331	20-18	NO REPORT NUMBER
N63-20332	20-18	NO REPORT NUMBER
N63-20333	20-16	SAM-TDR-63-13
N63-20334	20-32	NASA-TM-X-899
N63-20335	20-24	AFCRL-63-161
N63-20336	20-23	NO REPORT NUMBER
N63-20337	20-02	AEDC-TDR-63-163
N63-20338	20-23	NOLTR-62-182
N63-20339	20-29	RAE-TN-SPACE-35
N63-20340	20-29	NO REPORT NUMBER
N63-20341	20-18	NO REPORT NUMBER
N63-20342	20-27	AIAA PAPER-63-005
N63-20343	20-27	AIAA PAPER-63034-63
N63-20344	20-24	AIAA-PAPER-63055
N63-20345	20-07	MLM-1146
N63-20346	20-16	UCLA-516
N63-20347	20-23	NASA-TN-D-1985
N63-20348	20-25	NO REPORT NUMBER
N63-20349	20-15	NO REPORT NUMBER
N63-20350	20-16	NO REPORT NUMBER
N63-20351	20-04	NO REPORT NUMBER
N63-20352	20-04	NO REPORT NUMBER
N63-20353	20-04	NO REPORT NUMBER
N63-20354	20-04	NO REPORT NUMBER
N63-20355	20-04	NO REPORT NUMBER
N63-20356	20-04	NO REPORT NUMBER
N63-20357	20-04	NO REPORT NUMBER
N63-20358	20-04	NO REPORT NUMBER
N63-20359	20-04	NO REPORT NUMBER
N63-20360	20-04	NO REPORT NUMBER
N63-20361	20-04	NO REPORT NUMBER
N63-20362	20-04	NO REPORT NUMBER
N63-20363	20-04	NO REPORT NUMBER
N63-20364	20-04	NO REPORT NUMBER
N63-20365	20-22	HRB-SINGER-353-R-2
N63-20366	20-09	NO REPORT NUMBER
N63-20367	20-18	NO REPORT NUMBER
N63-20368	20-18	DI-82-0169
N63-20369	20-17	RBESO-3404-3
N63-20370	20-18	MET-E-1040-6305Q2
N63-20371	20-19	RIAS-TR-63-15
N63-20372	20-18	ARF-R3501-B4T
N63-20373	20-23	AFCRL-63-128
N63-20374	20-11	NO REPORT NUMBER
N63-20375	20-25	DS-118
N63-20376	20-33	AMRA-TR-63-06
N63-20377	20-19	NAVWEPS-7949
N63-20378	20-08	NO REPORT NUMBER
N63-20379		ACC. NO. NOT USED
N63-20380	20-25	DS-109
N63-20381	20-25	DS-112
N63-20382	20-23	RM-2927-PR
N63-20383	20-20	BRL-1197, VOL. 1
N63-20384	20-20	BRL-1197, VOL. 2
N63-20385	20-20	BRL-1197, VOL. 3
N63-20386	20-20	BRL-1197, VOL. 4
N63-20387	20-20	BRL-1197, VOL. 5
N63-20388	20-20	NO REPORT NUMBER
N63-20389	20-11	NA-63-3
N63-20390	20-09	JPRS-20486
N63-20391	20-14	JPRS-20680
N63-20392	20-16	JPRS-20731
N63-20393	20-15	UCRL-10770
N63-20394	20-07	PA-TR-3078
N63-20395	20-07	ONRL-3391
N63-20396	20-09	DP-798
N63-20397		ACC. NO. NOT USED
N63-20398	20-15	USNRDL-TR-654
N63-20399	20-14	JPRS-20629
N63-20400	20-23	RIFP-26
N63-20401	20-25	DS-116
N63-20402	20-25	DS-115

N63-20403		ACC. NO. NOT USED
N63-20404	20-08	NO REPORT NUMBER
N63-20405	20-19	DS-123
N63-20406	20-25	DS-124
N63-20407	20-19	DS-128
N63-20408	20-11	NBS-MONOGRAPH-55
N63-20409	20-09	AFCRL-63-185
N63-20410	20-04	BOSP-7-4-1
N63-20411	20-08	RADC-TDR-63-302
N63-20412	20-25	AFCRL-63-314
N63-20413	20-25	IER SER. 60, ISSUE 452
N63-20414	20-17	ASD-TDR-7-946/III/
N63-20415	20-19	WADD-TR-61-72, VOL. 14
N63-20416	20-19	WADD-TR-61-72, VOL. 18
N63-20417	20-17	ASD-TDR-63-565
N63-20418	20-24	PIBMRI-1154-63
N63-20419	20-12	UAG-R139
N63-20420	20-11	NOLTR-63-33
N63-20421	20-28	NYO-10273
N63-20422	20-23	RSIC-43
N63-20423	20-23	RSIC-42
N63-20424	20-02	DI-204-24
N63-20425		ACC. NO. NOT USED
N63-20426	20-18	DMIC-MEMO-169
N63-20427	20-11	NO REPORT NUMBER
N63-20428	20-23	NASA-TT-F-101
N63-20429		ACC. NO. NOT USED
N63-20430	20-18	NO REPORT NUMBER
N63-20431	20-16	JPRS-20713
N63-20432	20-18	Y-1417
N63-20433	20-33	NO REPORT NUMBER
N63-20434	20-27	AIAA PAPER-63029-63
N63-20435	20-16	JPRS-20520
N63-20436	20-16	ANL-6723
N63-20437	20-20	AFCRL-63-188
N63-20438	20-16	ORO-605
N63-20439	20-23	NO REPORT NUMBER
N63-20440	20-24	R-51
N63-20441	20-26	ANL-6711
N63-20442	20-24	NO REPORT NUMBER
N63-20443	20-19	NO REPORT NUMBER
N63-20444	20-10	ANL-6764
N63-20445	20-11	NO REPORT NUMBER
N63-20446	20-11	NO REPORT NUMBER
N63-20447	20-12	NO REPORT NUMBER
N63-20448	20-12	NO REPORT NUMBER
N63-20449	20-12	NO REPORT NUMBER
N63-20450	20-12	NO REPORT NUMBER
N63-20451	20-12	NO REPORT NUMBER
N63-20452	20-10	NO REPORT NUMBER
N63-20453	20-10	NO REPORT NUMBER
N63-20454	20-19	NO REPORT NUMBER
N63-20455	20-10	NO REPORT NUMBER
N63-20456	20-10	NO REPORT NUMBER
N63-20457	20-23	AFCRL-63-657
N63-20458	20-09	AFCRL-63-311
N63-20459	20-23	CERN-63-22
N63-20460	20-23	CERN-63-23
N63-20461	20-18	WAL-TR-310.22/3
N63-20462	20-09	NO REPORT NUMBER
N63-20463	20-23	AMC-RR-TR-63-11
N63-20464		ACC. NO. NOT USED
N63-20465	20-16	EUR-308.E
N63-20466	20-32	NO REPORT NUMBER
N63-20467	20-33	NO REPORT NUMBER
N63-20468	20-12	ERDA-62
N63-20469	20-12	ERDA-63
N63-20470		ACC. NO. NOT USED
N63-20471	20-19	NO REPORT NUMBER
N63-20472	20-23	NO REPORT NUMBER
N63-20473	20-13	AEDC-TDR-63-155
N63-20474	20-09	ST-144
N63-20475	20-13	PIBAL-665
N63-20476	20-06	NASA-RP-3
N63-20477	20-21	AFCRL-63-671
N63-20478	20-08	AIAA PAPER-63-348
N63-20479	20-01	NO REPORT NUMBER
N63-20480	20-01	NO REPORT NUMBER
N63-20481	20-01	NO REPORT NUMBER
N63-20482	20-01	NO REPORT NUMBER
N63-20483	20-09	NO REPORT NUMBER
N63-20484	20-02	NASA-MEMO-6-11-59L
N63-20485	20-02	NACA-RM-E57-G02
N63-20486	20-18	LAMS-2917
N63-20487		ACC. NO. NOT USED
N63-20488	20-23	NO REPORT NUMBER
N63-20489	20-16	EUR-242.E
N63-20490	20-10	WADD-TR-60-470, PT. 3
N63-20491	20-29	AIAA PAPER-63-334
N63-20492	20-29	AIAA PAPER-63-344
N63-20493	20-08	AIAA PAPER-63-351
N63-20494	20-29	AIAA PAPER-63-400
N63-20495	20-29	AIAA PAPER-63-404
N63-20496	20-34	AIAA PAPER-63-409
N63-20497	20-29	AIAA PAPER-63-414
N63-20498	20-32	AIAA PAPER-63-424
N63-20499	20-08	AFCRL-63-190
N63-20500	20-26	NO REPORT NUMBER
N63-20501	20-11	R-8
N63-20502	20-13	C-63789
N63-20503	20-06	RADC-TDR-63-270
N63-20504	20-28	RAE-TM-SPACE-16
N63-20505	20-25	AFCRL-63-326
N63-20506	20-26	USNRDL-TR-660
N63-20507	20-18	NO REPORT NUMBER
N63-20508	20-11	NO REPORT NUMBER
N63-20509	20-27	NO REPORT NUMBER
N63-20510	20-33	NO REPORT NUMBER
N63-20511	20-32	NO REPORT NUMBER
N63-20512	20-29	NO REPORT NUMBER
N63-20513	20-23	NO REPORT NUMBER
N63-20514	20-23	NO REPORT NUMBER
N63-20515	20-29	NO REPORT NUMBER
N63-20516		ACC. NO. NOT USED
N63-20517	20-11	R-31
N63-20518	20-19	REIC-27
N63-20519	20-07	EUR-270.E
N63-20520	20-16	NADC-MA-6307
N63-20521	20-23	NO REPORT NUMBER
N63-20522	20-07	NO REPORT NUMBER
N63-20523	20-12	NO REPORT NUMBER
N63-20524	20-34	NASA-TM-X-28
N63-20525	20-33	NACA-RM-E57G09
N63-20526	20-33	NACA-RM-L56G06
N63-20527	20-02	NACA-RM-L57G15
N63-20528	20-02	NACA-RM-L53108A
N63-20529	20-13	NACA-RM-L58G21
N63-20530	20-13	NACA-RM-L58G03
N63-20531	20-27	NACA-RM-E54E06
N63-20532	20-02	NACA-RM-A58F30
N63-20533	20-03	NACA-RM-L53I23
N63-20534	20-27	NACA-RM-E58F20A
N63-20535	20-32	NASA-TM-X-373
N63-20536	20-13	NASA-TM-X-508
N63-20537	20-32	NASA-TM-X-522
N63-20538	20-27	NASA-TM-X-540
N63-20539	20-02	NASA-TM-X-547
N63-20540	20-03	NASA-TM-X-569
N63-20541	20-02	NASA-TM-X-571
N63-20542	20-18	UCRL-10816
N63-20543	20-08	EUR-363.F
N63-20544	20-08	NO REPORT NUMBER
N63-20545	20-29	NO REPORT NUMBER
N63-20546	20-11	NOLTR-62-184
N63-20547	20-26	P-63-13
N63-20548		ACC. NO. NOT USED
N63-20549	20-07	HUM-3-P
N63-20550	20-09	NO REPORT NUMBER
N63-20551	20-16	NO REPORT NUMBER
N63-20552	20-16	NO REPORT NUMBER
N63-20553	20-16	NO REPORT NUMBER
N63-20554	20-16	NO REPORT NUMBER
N63-20555	20-16	NO REPORT NUMBER
N63-20556	20-14	NO REPORT NUMBER
N63-20557	20-14	NO REPORT NUMBER
N63-20558	20-32	NO REPORT NUMBER
N63-20559	20-32	NO REPORT NUMBER
N63-20560	20-16	NO REPORT NUMBER
N63-20561	20-04	NO REPORT NUMBER
N63-20562	20-32	NO REPORT NUMBER
N63-20563	20-32	NO REPORT NUMBER
N63-20564	20-29	NO REPORT NUMBER
N63-20565	20-29	NO REPORT NUMBER
N63-20566	20-16	NO REPORT NUMBER
N63-20567	20-16	NO REPORT NUMBER
N63-20568	20-16	NO REPORT NUMBER
N63-20569	20-16	NO REPORT NUMBER
N63-20570	20-28	NO REPORT NUMBER
N63-20571	20-16	NO REPORT NUMBER
N63-20572	20-16	NO REPORT NUMBER
N63-20573	20-16	NO REPORT NUMBER
N63-20574	20-16	NO REPORT NUMBER
N63-20575	20-16	NO REPORT NUMBER
N63-20576	20-16	NO REPORT NUMBER
N63-20577	20-01	NO REPORT NUMBER
N63-20578	20-24	AFCRL-63-674
N63-20579	20-33	ATC-ARTC-32
N63-20580	20-08	NO REPORT NUMBER
N63-20581	20-15	NO REPORT NUMBER
N63-20582	20-09	ASD-TR-63-7-741, VOL. 2

N63-20583	20-18	Q-B2089-2
N63-20584	20-06	MND-P-2836
N63-20585	20-29	NO REPORT NUMBER
N63-20586	20-23	NO REPORT NUMBER
N63-20587	20-17	NO REPORT NUMBER
N63-20588	20-03	NO REPORT NUMBER
N63-20589	20-16	NO REPORT NUMBER
N63-20590	20-11	AEDC-TDR-63-170
N63-20591	20-08	NO REPORT NUMBER
N63-20592	20-07	AFCRL-63-153
N63-20593	20-19	RSIC-47
N63-20594	20-11	PIBAL-771
N63-20595	20-19	PLASTEC-6
N63-20596	20-09	TIS-R62ELM-186-10
N63-20597	20-26	GOA-63-0785
N63-20598	20-11	NO REPORT NUMBER
N63-20599	20-09	CR-63-547-43
N63-20600	20-11	AEDC-TDR-63-168
N63-20601	20-32	NASA-TN-D-1841
N63-20602	20-06	NASA-TN-D-1846
N63-20603	20-12	NASA-TN-D-1850
N63-20604	20-11	NASA-TN-D-1876
N63-20605	20-32	NASA-TN-D-1903
N63-20606	20-06	NASA-TN-D-1904
N63-20607	20-04	NASA-TN-D-1965
N63-20608	20-13	NASA-TN-D-1978
N63-20609	20-29	NASA-TN-D-2001
N63-20610	20-23	NASA-TT-F-153
N63-20611	20-16	NASA-TT-F-166
N63-20612	20-17	NASA-TT-F-185
N63-20613	20-16	NASA-TT-F-186
N63-20614	20-18	BNL-814/PR-3/
N63-20615	20-33	RE-165
N63-20616	20-08	ER-2916, REV.
N63-20617	20-22	WB-WORKING PAPER 15G-2S
N63-20618	20-16	NO REPORT NUMBER
N63-20619	20-16	SAM-TDR-62-68
N63-20620	20-18	NO REPORT NUMBER
N63-20621	20-12	AFCRL-63-612
N63-20622	20-12	AFCRL-63-656
N63-20623	20-11	NO REPORT NUMBER
N63-20624	20-18	ARMA-TR-63-08
N63-20625	20-05	NO REPORT NUMBER
N63-20626	20-21	AFCRL-63-670
N63-20627	20-23	NO REPORT NUMBER
N63-20628	20-25	NO REPORT NUMBER
N63-20629	20-11	NO REPORT NUMBER
N63-20630	20-11	NO REPORT NUMBER
N63-20631	20-14	ESD-TDR-63-407
N63-20632	20-09	NO REPORT NUMBER
N63-20633	20-29	NO REPORT NUMBER
N63-20634	20-23	ARL-63-96
N63-20635	20-23	AIAA PAPER-63-460
N63-20636	20-16	ARL-TDR-63-20
N63-20637	20-09	JPRS-20835
N63-20638	20-21	JPRS-20865
N63-20639		ACC. NO. NOT USED
N63-20640	20-16	UCLA-515
N63-20641	20-11	NO REPORT NUMBER
N63-20642	20-14	ESD-TDR-63-406
N63-20643	20-26	AGN-AN-1013
N63-20644	20-11	AIAA PAPER-63-380
N63-20645	20-24	NO REPORT NUMBER
N63-20646	20-12	NO REPORT NUMBER
N63-20647	20-32	NO REPORT NUMBER
N63-20648	20-28	NO REPORT NUMBER
N63-20649	20-10	TRECOM-TR-63-27
N63-20650	20-26	RSIC-27
N63-20651	20-16	SAM-TDR-63-31
N63-20652	20-25	MND-2584-4
N63-20653	20-23	NO REPORT NUMBER
N63-20654	20-29	RSIC-44
N63-20655	20-08	EID-70
N63-20656	20-16	SAM-TDR-63-40
N63-20657	20-24	AEDC-TDR-63-146
N63-20658	20-18	NO REPORT NUMBER
N63-20659	20-11	MIT-DSR-9126
N63-20660	20-28	AFCRL-63-686
N63-20661	20-21	JPRS-20782
N63-20662	20-20	JPRS-20780
N63-20663	20-16	JPRS-20868
N63-20664	20-08	W-J-61-336AR24
N63-20665	20-19	RDR-1343-3
N63-20666	20-33	RSIC-45
N63-20667	20-33	AFSWC-TDR-63-48
N63-20668	20-25	TDR-169/3240-01/TN-2
N63-20669	20-31	SM-43616
N63-20670	20-17	AAC-4434
N63-20671	20-18	NRL-5948
N63-20672	20-25	USAELRDL-TR-2320
N63-20673	20-23	AEEW-R-131
N63-20674	20-33	MET-1078-863-II
N63-20675	20-24	AFCRL-63-830
N63-20676	20-08	AFCRL-63-684
N63-20677	20-08	AFCRL-63-637
N63-20678	20-24	AFCRL-63-695
N63-20679	20-24	AFCRL-63-658
N63-20680	20-09	ASD-TDR-63-87
N63-20681	20-18	ANL-6648
N63-20682	20-04	RS-TM-63-1
N63-20683	20-28	NO REPORT NUMBER
N63-20684	20-18	NO REPORT NUMBER
N63-20685	20-18	GEMP-218
N63-20686	20-12	NBS-TN-181
N63-20687	20-12	AFCRL-63-838
N63-20688	20-12	AFCRL-63-820
N63-20689	20-23	EUR-306.I
N63-20690	20-14	NO REPORT NUMBER
N63-20691	21-05	NO REPORT NUMBER
N63-20692	21-23	AERE-R-4186
N63-20693	21-14	NADC-MA-6115
N63-20694	21-14	NADC-MA-6309
N63-20695	21-18	NO REPORT NUMBER
N63-20696	21-16	JPRS-20872
N63-20697	21-18	NO REPORT NUMBER
N63-20698	21-07	SAM-TDR-63-42
N63-20699	21-13	IDO-16889
N63-20700	21-09	CREL-1120
N63-20701	21-18	COA-141
N63-20702	21-25	COA-153
N63-20703	21-33	ASD-TDR-63-380
N63-20704	21-13	SSD-TDR-63-243
N63-20705	21-11	K-1580
N63-20706		ACC. NO. NOT USED
N63-20707	21-25	UCRL-10793
N63-20708	21-25	DA-G400
N63-20709	21-24	AERONAUTICAL ENG. REPT.-658
N63-20710	21-08	MTC-TDR-63-6
N63-20711	21-07	ANL-6747
N63-20712	21-23	UCRL-10838
N63-20713	21-25	NO REPORT NUMBER
N63-20714	21-16	JPRS-20735
N63-20715	21-05	NO REPORT NUMBER
N63-20716	21-10	NO REPORT NUMBER
N63-20717	21-09	NYU-TR-400-81
N63-20718	21-12	ARA-T-9219-4
N63-20719	21-25	AFCRL-63-815
N63-20720	21-10	LAMS-2932
N63-20721	21-23	IMM-NYU-312
N63-20722	21-17	IDO-14612
N63-20723	21-06	AIAA PAPER-63033
N63-20724	21-33	NO REPORT NUMBER
N63-20725	21-17	NO REPORT NUMBER
N63-20726	21-09	R62XP-4
N63-20727	21-05	NO REPORT NUMBER
N63-20728	21-24	NO REPORT NUMBER
N63-20729	21-33	CARDE-TM-623/61
N63-20730	21-08	NSRC-4
N63-20731	21-09	RADC-RAS-TM-63-4
N63-20732	21-21	AFCRL-62-1109
N63-20733	21-01	RM-62TMP-42
N63-20734	21-10	AEDC-TDR-63-142
N63-20735	21-16	CRDC-1157
N63-20736	21-08	NBS-TN-182
N63-20737	21-08	NO REPORT NUMBER
N63-20738	21-23	NO REPORT NUMBER
N63-20739	21-08	NBS-TN-126
N63-20740	21-32	NO REPORT NUMBER
N63-20741	21-08	JPL-TR-32-123
N63-20742	21-11	BRL-1206
N63-20743	21-12	JPRS-20954
N63-20744	21-16	JPRS-20968
N63-20745	21-11	NBS MONOGRAPH-66
N63-20746	21-33	ARL-63-132
N63-20747	21-12	RAE-TN-SPACE-32
N63-20748	21-12	UAG-R137
N63-20749	21-08	RADC-RAU-TM-63-2
N63-20750	21-20	RM-3781PR
N63-20751	21-11	MIT-DSR-9015
N63-20752	21-11	NASA-TM-X-725
N63-20753	21-12	AFCRL-63-482
N63-20754	21-16	NASA-TN-D-2008
N63-20755	21-24	NO REPORT NUMBER
N63-20756	21-32	AIAA PAPER-63-327
N63-20757	21-29	AIAA PAPER-63-333
N63-20758	21-22	AIAA PAPER-63-343
N63-20759	21-31	AIAA PAPER 63-352
N63-20760	21-29	RAC-1645
N63-20761	21-29	AIAA PAPER-63-408
N63-20762	21-29	AIAA PAPER-63-415

N63-20763	21-12	AFCRL-63-616
N63-20764	21-24	USCEC-81-101
N63-20765	21-18	IS-576
N63-20766	21-19	ARL-63-84
N63-20767	21-09	NBS-MONOGRAPH-56
N63-20768	21-24	NO REPORT NUMBER
N63-20769	21-11	RM-3792-PR
N63-20770	21-23	NYO-10274
N63-20771	21-33	ASD-TDR-63-490
N63-20772	21-32	TG-514
N63-20773	21-20	AID-T-63-105
N63-20774	21-04	NO REPORT NUMBER
N63-20775	21-15	NO REPORT NUMBER
N63-20776	21-05	AFCRL-63-864
N63-20777	21-23	AFCRL-63-325
N63-20778	21-12	AFCRL-63-689
N63-20779	21-11	R62SD76
N63-20780	21-23	APP-3
N63-20781	21-24	UCRL-7363
N63-20782	21-06	ONR-RM-79
N63-20783	21-19	AFCRL-63-662
N63-20784	21-23	AFOSR-62-120
N63-20785	21-23	NYO-10276
N63-20786	21-23	NYO-10277
N63-20787	21-10	NSRC-2
N63-20788	21-20	ASD-TDR-63-128
N63-20789	21-17	RC-S-63-1
N63-20790	21-03	RG-TR-63-3
N63-20791	21-09	RADC-TDR-63-241
N63-20792	21-09	TR-1157
N63-20793	21-16	NO REPORT NUMBER
N63-20794	21-23	NO REPORT NUMBER
N63-20795	21-09	RADC-TDR-63-273
N63-20796	21-23	NO REPORT NUMBER
N63-20797	21-23	AIAA PAPER 63-463
N63-20798	21-17	NASA-RP-5
N63-20799	21-09	NO REPORT NUMBER
N63-20800	21-17	JPRS-20888
N63-20801	21-08	RADC-TDR-63-314
N63-20802	21-20	AFCRL-63-148
N63-20803	21-15	WGL-5/1962
N63-20804	21-15	NO REPORT NUMBER
N63-20805	21-15	NO REPORT NUMBER
N63-20806	21-15	NO REPORT NUMBER
N63-20807	21-15	NO REPORT NUMBER
N63-20808	21-15	NO REPORT NUMBER
N63-20809	21-15	NO REPORT NUMBER
N63-20810	21-15	NO REPORT NUMBER
N63-20811	21-15	NO REPORT NUMBER
N63-20812	21-23	D2-9878-4
N63-20813	21-23	NO REPORT NUMBER
N63-20814	21-23	NO REPORT NUMBER
N63-20815	21-23	NO REPORT NUMBER
N63-20816	21-32	NASA-CR-50956
N63-20817	21-17	NAS-NRC-1134
N63-20818	21-03	NO REPORT NUMBER
N63-20819	21-02	TDR-169/3230-11/TR-3
N63-20820	21-19	NO REPORT NUMBER
N63-20821	21-33	AFSWC-TDR-63-45
N63-20822	21-02	NOLTR-63-78
N63-20823	21-13	ASD-TDR-62-24, PT. II
N63-20824	21-04	TRECOM-TR-63-37
N63-20825	21-20	ARL-63-107
N63-20826	21-19	BSD-TDR-63-109
N63-20827	21-23	RADC-TDR-63-284
N63-20828	21-06	RADC-TDR-63-202
N63-20829		ACC. NO. NOT USED
N63-20830	21-26	EPC-578-F-1
N63-20831	21-26	A&ES-62-19A
N63-20832	21-23	GEAP-4214
N63-20833	21-09	HDL-TR-1140
N63-20834	21-29	AFCRL-63-829
N63-20835	21-29	AFCRL-490
N63-20836	21-08	AFCRL-63-187
N63-20837	21-26	LAMS-2949
N63-20838	21-32	RAE-R-SPACE-1
N63-20839	21-24	MHD-636
N63-20840	21-12	AFCRL-63-817
N63-20841	21-13	LMSC-8-55-63-3
N63-20842	21-04	AVA-61-04
N63-20843	21-04	NO REPORT NUMBER
N63-20844	21-04	NO REPORT NUMBER
N63-20845	21-04	NO REPORT NUMBER
N63-20846	21-04	NO REPORT NUMBER
N63-20847	21-04	NO REPORT NUMBER
N63-20848	21-04	NO REPORT NUMBER
N63-20849	21-04	NO REPORT NUMBER
N63-20850	21-04	NO REPORT NUMBER
N63-20851	21-23	LAS-TR-199-37
N63-20852	21-19	NO REPORT NUMBER
N63-20853	21-19	NO REPORT NUMBER
N63-20854	21-23	NO REPORT NUMBER
N63-20855	21-09	NO REPORT NUMBER
N63-20856	21-09	NO REPORT NUMBER
N63-20857	21-23	NO REPORT NUMBER
N63-20858	21-09	NO REPORT NUMBER
N63-20859	21-23	NO REPORT NUMBER
N63-20860	21-23	NO REPORT NUMBER
N63-20861	21-12	NO REPORT NUMBER
N63-20862	21-23	NO REPORT NUMBER
N63-20863	21-28	NO REPORT NUMBER
N63-20864	21-02	AVA-RR-62-02
N63-20865	21-02	NO REPORT NUMBER
N63-20866	21-02	NO REPORT NUMBER
N63-20867	21-02	NO REPORT NUMBER
N63-20868	21-02	NO REPORT NUMBER
N63-20869	21-02	NO REPORT NUMBER
N63-20870	21-02	NO REPORT NUMBER
N63-20871	21-02	NO REPORT NUMBER
N63-20872	21-02	NO REPORT NUMBER
N63-20873	21-02	NO REPORT NUMBER
N63-20874	21-02	NO REPORT NUMBER
N63-20875	21-02	NO REPORT NUMBER
N63-20876	21-18	NO REPORT NUMBER
N63-20877	21-29	NO REPORT NUMBER
N63-20878	21-33	NO REPORT NUMBER
N63-20879	21-33	NO REPORT NUMBER
N63-20880	21-23	NO REPORT NUMBER
N63-20881	21-33	NO REPORT NUMBER
N63-20882	21-12	NO REPORT NUMBER
N63-20883	21-12	NO REPORT NUMBER
N63-20884	21-23	NO REPORT NUMBER
N63-20885	21-31	NO REPORT NUMBER
N63-20886	21-20	NO REPORT NUMBER
N63-20887	21-33	NO REPORT NUMBER
N63-20888	21-24	NASA-TN-D-1705
N63-20889	21-20	NASA-TN-D-1735
N63-20890	21-04	NASA-TN-D-1964
N63-20891	21-24	NASA-TN-D-2006
N63-20892	21-17	NASA-TN-D-2113
N63-20893	21-23	ANL-6737
N63-20894	21-11	ANL-6738
N63-20895	21-09	UCRL-7191
N63-20896	21-23	UCRL-7401
N63-20897	21-23	UCRL-10813
N63-20898	21-24	UCRL-10849
N63-20899	21-25	UCRL-10850
N63-20900	21-23	UCRL-10878
N63-20901	21-09	RM-3756-PR
N63-20902	21-07	JPRS-20944
N63-20903	21-21	JPRS-20956
N63-20904	21-17	JPRS-20960
N63-20905	21-17	JPRS-20964
N63-20906	21-01	JPRS-20967
N63-20907	21-19	ORNL-3411
N63-20908	21-08	NSRC-5
N63-20909	21-20	ARL-63-100
N63-20910	21-26	ARL-63-101
N63-20911	21-20	ARL-63-106
N63-20912	21-27	ARL-63-125
N63-20913	21-20	AFCRL-63-852
N63-20914	21-04	DVL-266
N63-20915	21-11	FFM-58
N63-20916	21-03	DFL-213
N63-20917	21-23	PNE-202F
N63-20918	21-09	AFCRL-63-856
N63-20919	21-23	CARDE-TN-1564/63
N63-20920	21-17	SAM-TDR-62-130
N63-20921	21-11	EUR-352.E
N63-20922	21-23	MLM-1159
N63-20923	21-20	ONR-RM-78
N63-20924	21-20	ONR-RM-80
N63-20925	21-28	AFCRL-63-855
N63-20926	21-23	BNL-748/T-274/
N63-20927	21-11	SM-42588
N63-20928	21-16	JPRS-18125
N63-20929	21-29	NO REPORT NUMBER
N63-20930	21-29	NO REPORT NUMBER
N63-20931	21-05	NASA-RP-8
N63-20932	21-05	NO REPORT NUMBER
N63-20933	21-05	NO REPORT NUMBER
N63-20934	21-05	NASA-RP-7
N63-20935	21-16	NO REPORT NUMBER
N63-20936	21-24	NO REPORT NUMBER
N63-20937	21-31	IAS PAPER-63-42
N63-20938	21-32	AIAA PAPER-63-264
N63-20939	21-25	NO REPORT NUMBER
N63-20940	21-25	AFCRL-73-171
N63-20941	21-25	NO REPORT NUMBER
N63-20942	21-20	GA-4246

N63-20943	21-07	NO REPORT NUMBER
N63-20944	21-26	SC-4791/RR/
N63-20945	21-07	HQ-76-2
N63-20946	21-23	AVCO-EVERETT RES. REPT.-158
N63-20947	21-02	AS-63-3
N63-20948	21-21	NAL-TN-WP-20-63
N63-20949	21-21	NAL-TN-WP-19-62
N63-20950	21-25	R-68
N63-20951	21-26	GA-4140
N63-20952	21-11	GEAP-4140
N63-20953	21-10	DVL-261
N63-20954	21-25	AEET/CD/13
N63-20955	21-07	NO REPORT NUMBER
N63-20956	21-17	NO REPORT NUMBER
N63-20957	21-18	ERR-FW-178
N63-20958	21-07	BNL-796/T-305/
N63-20959	21-18	NO REPORT NUMBER
N63-20960	21-13	NASA-RP-4
N63-20961	21-09	PIBMRI-1018-62
N63-20962	21-32	NASA-CR-51022
N63-20963	21-08	NASA-CR-51028
N63-20964	21-20	NAVTRADEVCEN-594-1
N63-20965	21-25	NO REPORT NUMBER
N63-20966	21-08	AFCRL-62-163
N63-20967	21-24	RADC-TDR-63-210
N63-20968		ACC. NO. NOT USED
N63-20969	21-03	FLIGHT SCIENCES LAB. TR-78
N63-20970	21-06	EOS-3000-Q-3
N63-20971	21-18	NO REPORT NUMBER
N63-20972	21-23	RIFP-29
N63-20973	21-17	SAM-TDR-63-49
N63-20974	21-25	MIT-TR-181
N63-20975	21-25	AROD-2914-13
N63-20976	21-12	AFCRL-63-854
N63-20977	21-12	NO REPORT NUMBER
N63-20978	21-12	NO REPORT NUMBER
N63-20979	21-12	NO REPORT NUMBER
N63-20980	21-12	NO REPORT NUMBER
N63-20981	21-12	NO REPORT NUMBER
N63-20982	21-12	NO REPORT NUMBER
N63-20983	21-12	NO REPORT NUMBER
N63-20984	21-12	NO REPORT NUMBER
N63-20985	21-12	NO REPORT NUMBER
N63-20986	21-12	NO REPORT NUMBER
N63-20987	21-12	NO REPORT NUMBER
N63-20988	21-24	MATT-206
N63-20989	21-09	W-J-63-609R10
N63-20990	21-25	ARL-63-114
N63-20991	21-11	R63SD17
N63-20992	21-26	NOLTR-63-12
N63-20993	21-11	NOLTR-63-94
N63-20994	21-19	DMIC-184
N63-20995	21-25	RAE-TRANS-1037
N63-20996	21-01	STL-9990-6363-RU-000
N63-20997	21-13	AEDC-TDR-63-161
N63-20998	21-32	U-2202
N63-20999	21-29	RTD-TDR-63-1050, VOL. 1
N63-21000	21-12	RTD-TDR-63-1050, VOL. 2
N63-21001	21-01	NO REPORT NUMBER
N63-21002	21-23	NO REPORT NUMBER
N63-21003	21-28	NSF-63-137
N63-21004	21-12	NO REPORT NUMBER
N63-21005	21-09	NASA-RP-9
N63-21006	21-19	NO REPORT NUMBER
N63-21007	21-26	WGL-2-1962
N63-21008	21-09	ASD-IR-7-865/VI/
N63-21009	21-24	AROD-2267-7
N63-21010	21-18	FTDM-3013
N63-21011	21-18	PCTR-4577
N63-21012	21-13	PCTR-4594
N63-21013	21-19	IS-657
N63-21014	21-23	ORNL-3468
N63-21015	21-18	NO REPORT NUMBER
N63-21016	21-09	W-J-63-609R15
N63-21017	21-13	LAMS-2934
N63-21018	21-23	TID-3523/REV. 5/
N63-21019	21-22	HAWAII INST. GEOPHYS. REPT.-37
N63-21020	21-26	DASA-1378
N63-21021	21-23	AEC-TR-5734
N63-21022	21-11	NO REPORT NUMBER
N63-21023	21-11	NO REPORT NUMBER
N63-21024	21-07	ONR-TR-RLT-65
N63-21025	21-17	JPRS-20948
N63-21026	21-23	JPRS-20959
N63-21027	21-15	NOTS-TP-3102
N63-21028	21-02	NO REPORT NUMBER
N63-21029	21-23	ERR-FW-192
N63-21030	21-33	ERR-FW-130
N63-21031	21-30	GDA-63-0436
N63-21032	21-23	ANL-6694
N63-21033	21-26	BRL-MR-148
N63-21034	21-19	RPI-MATH. 6
N63-21035	21-33	GER-11154
N63-21036	21-17	JPRS-185
N63-21037	21-20	DP-82
N63-21038	21-11	AFCRL-63-88
N63-21039	21-12	AFCRL-63-83
N63-21040	21-12	NRL-578
N63-21041	21-23	UCRL-737
N63-21042	21-18	ANL-667
N63-21043	21-27	NASA-CR-5095
N63-21044	21-29	NASA-CR-5093
N63-21045	21-33	NASA-CR-5092
N63-21046	21-09	NASA-CR-5109
N63-21047	21-20	NASA-CR-5096
N63-21048	21-09	NASA-CR-5093
N63-21049	21-29	NASA-CR-5095
N63-21050	21-07	NASA-CR-5095
N63-21051	21-29	NASA-TM-X-5029
N63-21052	21-23	PIBMRI-1156-63
N63-21053	21-09	NASA-CR-5075
N63-21054	21-24	NASA-CR-5102
N63-21055	21-33	NASA-TN-D-1948
N63-21056	21-32	NASA-TN-D-1955
N63-21057	21-02	NASA-TN-D-1956
N63-21058	21-04	TCREC-TR-62-41
N63-21059	21-08	AMRL-TDR-63-49
N63-21060	21-24	NASA-CR-5096
N63-21061	21-09	NASA-CR-5091
N63-21062	21-17	NO REPORT NUMBER
N63-21063	21-28	NO REPORT NUMBER
N63-21064	21-29	NO REPORT NUMBER
N63-21065	21-33	NASA-TN-D-1949
N63-21066	21-23	NASA-CR-5094
N63-21067	21-27	NO REPORT NUMBER
N63-21068	21-34	NO REPORT NUMBER
N63-21069	21-20	NASA-CR-5027
N63-21070	21-19	NASA-CR-5098
N63-21071	21-26	NASA-CR-5097
N63-21072	21-06	NASA-CR-5094
N63-21073	21-11	NASA-TT-F-94
N63-21074	21-27	NASA-CR-5095
N63-21075	21-12	NASA-RP-15
N63-21076	21-01	NSRC-1
N63-21077	21-01	NO REPORT NUMBER
N63-21078	21-12	NO REPORT NUMBER
N63-21079	21-12	NO REPORT NUMBER
N63-21080	21-10	NO REPORT NUMBER
N63-21081	21-22	NO REPORT NUMBER
N63-21082	21-12	NO REPORT NUMBER
N63-21083	21-22	NO REPORT NUMBER
N63-21084	21-12	NO REPORT NUMBER
N63-21085	21-20	JPRS-20660
N63-21086	21-20	NO REPORT NUMBER
N63-21087	21-20	NO REPORT NUMBER
N63-21088	21-20	NO REPORT NUMBER
N63-21089	21-20	NO REPORT NUMBER
N63-21090	21-20	NO REPORT NUMBER
N63-21091	21-20	NO REPORT NUMBER
N63-21092	21-20	NO REPORT NUMBER
N63-21093	21-20	NO REPORT NUMBER
N63-21094	21-20	NO REPORT NUMBER
N63-21095	21-20	NO REPORT NUMBER
N63-21096	21-20	NO REPORT NUMBER
N63-21097	21-20	NO REPORT NUMBER
N63-21098	21-20	NO REPORT NUMBER
N63-21099	21-29	NASA-RP-13
N63-21100	21-29	NASA-RP-16
N63-21101	21-32	NASA-SP-33, PT. 1
N63-21102	21-32	NASA-SP-33, PT. 2
N63-21103	21-32	NASA-SP-33, PT. 3
N63-21104	21-32	NASA-SP-34, PT. 1
N63-21105	21-32	NASA-SP-34, PT. 2
N63-21106	21-32	NASA-SP-34, PT. 3
N63-21107	21-12	SEL-62-064
N63-21108	21-28	NYO-10240
N63-21109	21-16	NASA-CR-51102
N63-21110	21-12	NO REPORT NUMBER
N63-21111	21-29	NASA-CR-51082
N63-21112	21-26	DASA-1369
N63-21113	21-17	AL63T011
N63-21114	21-12	IGY GEN. REPT.-19
N63-21115	21-02	ASD-TDR-62-801
N63-21116	21-09	RADC-TDR-63-108
N63-21117	21-19	ERR-FW-124
N63-21118	21-08	NASA-CR-50992
N63-21119	21-11	NASA-CR-50996
N63-21120	21-17	NASA-CR-50997
N63-21121	21-05	NO REPORT NUMBER
N63-21122	21-27	AIAA PAPER 63-273

N63-21123	21-11	NASA-CR-51006
N63-21124	21-02	NASA-CR-50993
N63-21125	21-23	CERN-63-19
N63-21126	21-01	NASA-SP-40
N63-21127	21-32	NO REPORT NUMBER
N63-21128	21-32	NO REPORT NUMBER
N63-21129	21-32	NO REPORT NUMBER
N63-21130	21-29	NO REPORT NUMBER
N63-21131	21-30	NO REPORT NUMBER
N63-21132	21-30	NO REPORT NUMBER
N63-21133	21-14	NO REPORT NUMBER
N63-21134	21-01	NO REPORT NUMBER
N63-21135	21-08	NO REPORT NUMBER
N63-21136	21-32	NO REPORT NUMBER
N63-21137	21-01	NO REPORT NUMBER
N63-21138	21-01	NO REPORT NUMBER
N63-21139	21-01	NO REPORT NUMBER
N63-21140	21-01	NO REPORT NUMBER
N63-21141	21-01	NO REPORT NUMBER
N63-21142	21-01	NO REPORT NUMBER
N63-21143	21-01	NO REPORT NUMBER
N63-21144	21-01	NO REPORT NUMBER
N63-21145	21-01	NO REPORT NUMBER
N63-21146	21-01	NO REPORT NUMBER
N63-21147	21-01	NO REPORT NUMBER
N63-21148	21-01	NO REPORT NUMBER
N63-21149	21-01	NO REPORT NUMBER
N63-21150	21-01	NO REPORT NUMBER
N63-21151	21-06	NO REPORT NUMBER
N63-21152	21-01	NO REPORT NUMBER
N63-21153	21-01	NO REPORT NUMBER
N63-21154	21-01	NO REPORT NUMBER
N63-21155	21-27	NO REPORT NUMBER
N63-21156	21-27	NO REPORT NUMBER
N63-21157	21-12	NBS-TN-40-11
N63-21158	21-24	MATT-189
N63-21159	21-23	AFCRL-63-640
N63-21160	21-15	RG-TR-63-22
N63-21161	21-23	UCRL-10888
N63-21162	21-06	RAE-TN-SPACE-17
N63-21163	21-19	BMI-1633
N63-21164	21-11	AIAA PAPER 63-439
N63-21165	21-09	NO REPORT NUMBER
N63-21166	21-09	NO REPORT NUMBER
N63-21167	21-06	AIAA PAPER-63035
N63-21168	21-19	IITRI-C6013-1
N63-21169	21-33	RM-3650-PR
N63-21170	21-12	AFCRL-63-834
N63-21171		ACC. NO. NOT USED
N63-21172	21-19	USNRDL-TR-657
N63-21173	21-22	GCA-TR-62-24-A
N63-21174	21-06	CAL-ZF-1724-X-1
N63-21175	21-18	HW-76642
N63-21176	21-09	NO REPORT NUMBER
N63-21177	21-23	CERN-63-27
N63-21178	21-23	NASA-CR-51044
N63-21179	21-23	NO REPORT NUMBER
N63-21180	21-18	NLCO-885
N63-21181	21-18	B-910068-3
N63-21182	21-23	LAMS-2020
N63-21183		ACC. NO. NOT USED
N63-21184	21-16	NO REPORT NUMBER
N63-21185	21-16	SAM-TDR-63-26
N63-21186	21-16	JPRS-20943
N63-21187	21-23	JPRS-20981
N63-21188	21-24	MATT-194
N63-21189	21-18	NO REPORT NUMBER
N63-21190	21-05	BRL-MEMO-1468
N63-21191	21-27	NO REPORT NUMBER
N63-21192	21-09	NO REPORT NUMBER
N63-21193	21-09	NO REPORT NUMBER
N63-21194	21-18	A062
N63-21195	21-09	NO REPORT NUMBER
N63-21196	21-23	CERN-63-28
N63-21197	21-20	SID-63-157
N63-21198	21-18	A065
N63-21199	21-09	NO REPORT NUMBER
N63-21200	21-09	NO REPORT NUMBER
N63-21201	21-16	SAM-TDR-63-45
N63-21202	21-12	AFCRL-63-650
N63-21203	21-19	RSIC-30
N63-21204	21-11	NO REPORT NUMBER
N63-21205	21-23	NYO-10275
N63-21206	21-20	ANL-6722
N63-21207	21-19	BM-RI-6284
N63-21208	21-21	ERDA-61
N63-21209	21-23	SEL-63-030
N63-21210	21-25	NO REPORT NUMBER
N63-21211	21-33	COA-N-136
N63-21212	21-21	NO REPORT NUMBER
N63-21213	21-24	MATT-199
N63-21214	21-16	JPRS-18004
N63-21215	21-13	EOS-RN-14
N63-21216	21-09	RTD-TDR-63-3007
N63-21217	21-23	GA-2984
N63-21218	21-16	ARL-TDR-63-6
N63-21219	21-26	BRL-TN-1505
N63-21220	21-19	AFCRL-62-594
N63-21221	21-11	RF-1021-18
N63-21222	21-09	AFCRL-62-545
N63-21223	21-15	NO REPORT NUMBER
N63-21224	21-09	NO REPORT NUMBER
N63-21225	21-09	RADC-TDR-62-191
N63-21226	21-06	ER-4925
N63-21227	21-08	RADC-TDR-63-179
N63-21228	21-19	RSIC-51
N63-21229	21-19	SUDAER-119
N63-21230	21-09	RADC-TDR-63-306
N63-21231	21-18	NO REPORT NUMBER
N63-21232	21-11	RSIC-50
N63-21233	21-18	ASD-TDR-63-605, PT. I
N63-21234	21-19	MPTR-2-251-1
N63-21235	21-12	AFCRL-63-873
N63-21236		ACC. NO. NOT USED
N63-21237	21-11	R63SD63
N63-21238	21-09	RADC-TDR-63-345
N63-21239	21-09	RADC-TDR-63-189
N63-21240	21-28	GER-11234
N63-21241	21-20	RM-3012-PR
N63-21242	21-28	NYO-10243
N63-21243	21-09	PIBMRI-991-62
N63-21244	21-24	PWA-2133
N63-21245	21-24	PWA-2170
N63-21246	21-19	TDR-169/3240/TN-2
N63-21247	21-02	NO REPORT NUMBER
N63-21248	21-15	CAL-AD-1345-W-7
N63-21249	21-02	BRL-MEMO-1490
N63-21250	21-32	NASA-TM-X-50372
N63-21251	21-06	NASA-TM-X-50427
N63-21252	21-06	NASA-CR-51005
N63-21253	21-27	NASA-CR-51018
N63-21254	21-28	NASA-CR-51033
N63-21255	21-20	NLR-TN-V.1895
N63-21256	21-09	ARL/1-62
N63-21257	21-03	ARC-R&M-3293
N63-21258	21-23	ORNL-3445
N63-21259	21-18	GEAP-4211
N63-21260	21-23	UAG-R140
N63-21261	21-19	ATN-64/9236/-2
N63-21262	21-09	RADC-TDR-63-349
N63-21263	21-16	NO REPORT NUMBER
N63-21264	21-08	NO REPORT NUMBER
N63-21265	21-11	GASL-TR-358
N63-21266	21-04	R-958
N63-21267	21-24	NO REPORT NUMBER
N63-21268	21-24	NO REPORT NUMBER
N63-21269		ACC. NO. NOT USED
N63-21270		ACC. NO. NOT USED
N63-21271	21-12	NASA-TN-D-1977
N63-21272	21-12	NASA-TN-D-2114
N63-21273	21-29	NASA-AL-C-4063
N63-21274	21-21	NO REPORT NUMBER
N63-21275	21-21	NASA-RP-30
N63-21276	21-18	NO REPORT NUMBER
N63-21277	21-28	NO REPORT NUMBER
N63-21278	21-12	NO REPORT NUMBER
N63-21279	21-12	NO REPORT NUMBER
N63-21280	21-12	NASA-RP-21
N63-21281	21-02	R-971
N63-21282	21-20	NO REPORT NUMBER
N63-21283	21-33	CU-3-63-ONR-266/86/-CE
N63-21284	21-08	AMRL-TDR-63-57
N63-21285	21-33	LMSC-6-90-63-86
N63-21286	21-23	CU-2-63 ONR-266/86/-CE
N63-21287	21-24	NO REPORT NUMBER
N63-21288	21-24	RADC-TDR-62-464, VOL. VI
N63-21289	21-08	NOLTR-62-75
N63-21290	21-26	R-1671
N63-21291	21-02	NO REPORT NUMBER
N63-21292	21-04	MIT-22G-10
N63-21293	21-09	NO REPORT NUMBER
N63-21294	21-09	GEST-2021
N63-21295	21-02	ARC-CP-648
N63-21296	21-09	GD/C-63-179
N63-21297	21-09	NO REPORT NUMBER
N63-21298	21-09	AFCRL-63-37
N63-21299	21-02	RAE-TM-AERO-754
N63-21300	21-17	ASD-TDR-63-716
N63-21301	21-16	AMRL-TDR-63-3
N63-21302	21-18	ASD-TDR-63-509, PT. 1

N63-21303	21-02	NO REPORT NUMBER
N63-21304	21-23	AMRL-TDR-63-63
N63-21305	21-16	SB-61-33
N63-21306	21-23	NO REPORT NUMBER
N63-21307	21-11	FGT-3023
N63-21308	21-18	FTDM-3130
N63-21309	21-09	NASA-CR-50936
N63-21310	21-11	ARC-CP-633
N63-21311	21-12	NASA-TM-X-50424
N63-21312	21-09	NASA-CR-51332
N63-21313	21-19	NASA-CR-51244
N63-21314	21-24	R63SD62
N63-21315	21-25	NYO-10472
N63-21316	21-30	AIAA PAPER 63-318
N63-21317	21-11	NASA-CR-51298
N63-21318	21-11	LMSC-6-90-63-31
N63-21319	21-13	HW-77681
N63-21320	21-25	AFCRL-63-323/4B/
N63-21321	21-25	AFCRL-63-323/4A/
N63-21322	21-16	AFCRL-63-839
N63-21323	21-32	RM-3700-PR
N63-21324	21-27	NASA-CR-50964
N63-21325	21-10	NASA-CR-51236
N63-21326	21-23	AID-P-63-103
N63-21327	21-33	NASA-CR-51340
N63-21328	21-29	NASA-CR-50957
N63-21329	21-18	NASA-RP-26
N63-21330	21-11	NASA-RP-24
N63-21331	21-29	AIAA PAPER-63423
N63-21332	21-19	NASA-CR-31140
N63-21333	21-23	AMRL-TDR-63-64
N63-21334	21-12	NO REPORT NUMBER
N63-21335	21-23	NASA-TM-X-50562
N63-21336	21-32	NASA-AL-D-4-63
N63-21337	21-29	NASA-CR-50991
N63-21338	21-29	NASA-CR-51010
N63-21339	21-29	NASA-CR-51329
N63-21340	21-11	NO REPORT NUMBER
N63-21341	21-32	ARS PAPER-1425-60
N63-21342	21-01	NO REPORT NUMBER
N63-21343	21-01	NO REPORT NUMBER
N63-21344	21-29	NASA-TN-D-1858
N63-21345	21-32	NASA-TN-D-1902
N63-21346	21-29	NO REPORT NUMBER
N63-21347	21-12	NASA-RP-20
N63-21348	21-32	NASA-CR-51015
N63-21349	21-23	GCA-TR-62-28-A
N63-21350	21-08	NASA-CR-51009
N63-21351	22-19	NASA-CR-50953
N63-21352	22-05	NO REPORT NUMBER
N63-21353	22-12	NASA-RP-18
N63-21354	22-28	NASA-RP-14
N63-21355	22-05	NO REPORT NUMBER
N63-21356	22-24	NO REPORT NUMBER
N63-21357		ACC. NO. NOT USED
N63-21358	22-11	NASA-CR-51234
N63-21359	22-11	NASA-CR-50998
N63-21360	22-09	LMSC-3-80-62-28
N63-21361	22-26	NASA-CR-51007
N63-21362	22-29	NO REPORT NUMBER
N63-21363	22-26	NASA-CR-50999
N63-21364	22-06	NASA-CR-51210
N63-21365	22-19	NASA-TM-X-50413
N63-21366	22-06	AMRL-TDR-63-67
N63-21367	22-09	NASA-CR-51213
N63-21368	22-29	NASA-RP-29
N63-21369	22-19	NASA-RP-27
N63-21370	22-19	NASA-RP-25
N63-21371	22-18	A061
N63-21372	22-12	NO REPORT NUMBER
N63-21373	22-02	NO REPORT NUMBER
N63-21374	22-13	PIBAL-460
N63-21375	22-15	NRL-5933
N63-21376	22-28	NO REPORT NUMBER
N63-21377	22-23	CRRP-1159
N63-21378	22-07	LF-7
N63-21379	22-16	MRL MEMO. V-6
N63-21380	22-18	ORNL-3424
N63-21381		ACC. NO. NOT USED
N63-21382		ACC. NO. NOT USED
N63-21383	22-09	PIBMRI-1090-62
N63-21384	22-32	JPRS-21142
N63-21385	22-19	JPRS-21021
N63-21386	22-18	ASRCE-TM-62-24
N63-21387	22-21	BEC-4696
N63-21388	22-05	NO REPORT NUMBER
N63-21389	22-32	NASA-RP-10
N63-21390	22-16	ANL-6765
N63-21391	22-18	PSI-3000-43-Q-3
N63-21392	22-21	NASA-TT-F-115
N63-21393	22-19	NO REPORT NUMBE
N63-21394	22-12	AFCRL-63-1
N63-21395	22-16	AAL-TDR-62-
N63-21396	22-16	AAL-TDR-62-
N63-21397	22-16	AAL-TDR-62-
N63-21398	22-16	AAL-TDR-62-
N63-21399	22-16	AAL-TDR-62-
N63-21400	22-16	AAL-TDR-62-
N63-21401	22-12	NO REPORT NUMBE
N63-21402	22-23	MND-M-2935/VOL.
N63-21403	22-26	ASD-TR-61-27
N63-21404	22-20	PIBMRI-1130-
N63-21405	22-20	NO REPORT NUMB
N63-21406	22-23	ANL-66
N63-21407	22-26	ATR
N63-21408	22-16	AAL-TDR-62-
N63-21409	22-17	AO
N63-21410	22-10	NO REPORT NUMBE
N63-21411	22-23	UCRL-735
N63-21412	22-23	NO REPORT NUMBE
N63-21413	22-16	NO REPORT NUMBE
N63-21414	22-33	A&ES-63-
N63-21415	22-19	NO REPORT NUMBE
N63-21416	22-11	JPRS-2114
N63-21417	22-04	ZH-15
N63-21418	22-06	NRL-590
N63-21419	22-11	EOS-RN-
N63-21420	22-33	TDR-169/3560-30/-TN-
N63-21421	22-19	AFCRL-63-30
N63-21422	22-09	NO REPORT NUMBE
N63-21423	22-09	NO REPORT NUMBE
N63-21424	22-18	SN-9165
N63-21425	22-05	R-6
N63-21426	22-33	ASD-TDR-63-9
N63-21427	22-11	RSIC-2
N63-21428	22-01	NO REPORT NUMBE
N63-21429		ACC. NO. NOT USE
N63-21430	22-08	NASA-CR-5094
N63-21431	22-08	NASA-CR-5094
N63-21432	22-12	NASA-CR-5136
N63-21433	22-05	NASA-CR-5136
N63-21434	22-12	NO REPORT NUMBE
N63-21435	22-20	NASA-SP-600
N63-21436	22-13	AFCRL-63-23
N63-21437	22-29	ASD-TDR-63-537
N63-21438	22-23	NO REPORT NUMBER
N63-21439	22-15	NO REPORT NUMBER
N63-21440	22-33	DF62SE106
N63-21441	22-33	ASD-TDR-63-515
N63-21442	22-23	NAA-SR-7921
N63-21443	22-24	SC-4911/RR/
N63-21444	22-23	AROD-3187-
N63-21445	22-22	RE-TR-63-3
N63-21446	22-12	NBS-TN-18
N63-21447	22-09	NO REPORT NUMBE
N63-21448	22-16	JPRS-2095
N63-21449	22-12	RPU-S11
N63-21450		ACC. NO. NOT USE
N63-21451	22-16	JPRS-21149
N63-21452	22-16	NO REPORT NUMBER
N63-21453	22-16	ESD-TDR-63-605
N63-21454	22-23	LA-2921
N63-21455	22-16	JPRS-21133
N63-21456	22-29	NASA-EP-12
N63-21457	22-09	NRL-5972
N63-21458	22-20	RADC-TDR-63-301
N63-21459	22-06	IS-665
N63-21460	22-19	NO REPORT NUMBER
N63-21461	22-16	ESD-TDR-63-603
N63-21462	22-24	A&ES-63-7
N63-21463	22-19	AFCRL-63-309
N63-21464	22-12	ONR-130
N63-21465	22-08	SELWS-E-101
N63-21466	22-06	NO REPORT NUMBER
N63-21467	22-18	HW-78178
N63-21468	22-18	HW-78132
N63-21469	22-25	RR-TN-63-2
N63-21470	22-23	ORNL-3486
N63-21471	22-16	ORNL-3483
N63-21472	22-08	AFCRL-63-330
N63-21473	22-21	IRIG-MWG-19-63
N63-21474	22-12	AFCRL-63-680
N63-21475	22-18	NO REPORT NUMBER
N63-21476	22-29	NO REPORT NUMBER
N63-21477	22-01	NO REPORT NUMBER
N63-21478	22-18	IITRI-B6007-4
N63-21479	22-29	NASA-CR-50966
N63-21480	22-29	JPL-TR-32-423
N63-21481	22-28	NASA-CR-51275
N63-21482	22-04	NO REPORT NUMBER

N63-21483	22-23	NASA-RP-17
N63-21484	22-07	NASA-TT-F-95
N63-21485	22-09	NASA-CR-51030
N63-21486	22-23	NO REPORT NUMBER
N63-21487	22-23	ISS-63/27
N63-21488	22-32	NO REPORT NUMBER
N63-21489	22-16	JPRS-21026
N63-21490	22-16	NO REPORT NUMBER
N63-21491	22-16	NO REPORT NUMBER
N63-21492	22-01	JPRS-20833
N63-21493	22-15	NO REPORT NUMBER
N63-21494	22-21	NO REPORT NUMBER
N63-21495	22-16	JPRS-18395
N63-21496	22-16	NO REPORT NUMBER
N63-21497	22-16	NO REPORT NUMBER
N63-21498	22-16	NO REPORT NUMBER
N63-21499	22-16	NO REPORT NUMBER
N63-21500	22-16	NO REPORT NUMBER
N63-21501	22-16	NO REPORT NUMBER
N63-21502	22-16	NO REPORT NUMBER
N63-21503	22-16	NO REPORT NUMBER
N63-21504	22-16	NO REPORT NUMBER
N63-21505	22-16	NO REPORT NUMBER
N63-21506	22-16	NO REPORT NUMBER
N63-21507	22-16	NO REPORT NUMBER
N63-21508	22-16	NO REPORT NUMBER
N63-21509	22-16	NO REPORT NUMBER
N63-21510	22-16	NO REPORT NUMBER
N63-21511	22-16	NO REPORT NUMBER
N63-21512	22-16	NO REPORT NUMBER
N63-21513	22-16	NO REPORT NUMBER
N63-21514	22-16	NO REPORT NUMBER
N63-21515	22-16	NO REPORT NUMBER
N63-21516	22-16	NO REPORT NUMBER
N63-21517	22-16	NO REPORT NUMBER
N63-21518	22-16	NO REPORT NUMBER
N63-21519	22-16	NO REPORT NUMBER
N63-21520	22-16	NO REPORT NUMBER
N63-21521	22-16	NO REPORT NUMBER
N63-21522	22-16	NO REPORT NUMBER
N63-21523	22-16	NO REPORT NUMBER
N63-21524	22-16	NO REPORT NUMBER
N63-21525	22-16	NO REPORT NUMBER
N63-21526	22-16	NO REPORT NUMBER
N63-21527	22-16	NO REPORT NUMBER
N63-21528	22-16	NO REPORT NUMBER
N63-21529	22-16	NO REPORT NUMBER
N63-21530	22-16	NO REPORT NUMBER
N63-21531	22-16	NO REPORT NUMBER
N63-21532	22-16	NO REPORT NUMBER
N63-21533	22-16	NO REPORT NUMBER
N63-21534	22-16	NO REPORT NUMBER
N63-21535	22-16	NO REPORT NUMBER
N63-21536	22-16	NO REPORT NUMBER
N63-21537	22-16	NO REPORT NUMBER
N63-21538	22-12	NO REPORT NUMBER
N63-21539	22-12	NO REPORT NUMBER
N63-21540	22-12	NO REPORT NUMBER
N63-21541	22-12	NO REPORT NUMBER
N63-21542	22-12	AID-T-63-104
N63-21543	22-07	NO REPORT NUMBER
N63-21544	22-25	E-302-P
N63-21545		ACC. NO. NOT USED
N63-21546	22-16	JPRS-18538
N63-21547	22-16	NO REPORT NUMBER
N63-21548	22-16	NO REPORT NUMBER
N63-21549	22-13	AGARD-211
N63-21550	22-06	RADC-TDR-63-300, VOL. II
N63-21551	22-06	RADC-TDR-63-300, VOL. I
N63-21552	22-24	TR-63-2178
N63-21553	22-04	R-219
N63-21554	22-16	NO REPORT NUMBER
N63-21555	22-12	AFCRL-63-845
N63-21556	22-24	RADC-TDR-63-336
N63-21557	22-11	NO REPORT NUMBER
N63-21558	22-24	NO REPORT NUMBER
N63-21559	22-24	NO REPORT NUMBER
N63-21560	22-24	NO REPORT NUMBER
N63-21561	22-24	NO REPORT NUMBER
N63-21562	22-24	NO REPORT NUMBER
N63-21563	22-11	NO REPORT NUMBER
N63-21564	22-11	NO REPORT NUMBER
N63-21565	22-11	NO REPORT NUMBER
N63-21566	22-11	NO REPORT NUMBER
N63-21567	22-11	NO REPORT NUMBER
N63-21568	22-11	NO REPORT NUMBER
N63-21569	22-24	NO REPORT NUMBER
N63-21570	22-24	NO REPORT NUMBER
N63-21571	22-24	NO REPORT NUMBER
N63-21572	22-24	NO REPORT NUMBER
N63-21573	22-24	NO REPORT NUMBER
N63-21574	22-23	NO REPORT NUMBER
N63-21575	22-24	NO REPORT NUMBER
N63-21576	22-11	NO REPORT NUMBER
N63-21577	22-24	NO REPORT NUMBER
N63-21578	22-25	NO REPORT NUMBER
N63-21579	22-23	NO REPORT NUMBER
N63-21580	22-23	NO REPORT NUMBER
N63-21581	22-23	NO REPORT NUMBER
N63-21582	22-23	NO REPORT NUMBER
N63-21583	22-11	NO REPORT NUMBER
N63-21584	22-11	NO REPORT NUMBER
N63-21585	22-11	NO REPORT NUMBER
N63-21586	22-11	NO REPORT NUMBER
N63-21587	22-24	NO REPORT NUMBER
N63-21588	22-29	NO REPORT NUMBER
N63-21589	22-24	NO REPORT NUMBER
N63-21590	22-29	NO REPORT NUMBER
N63-21591	22-24	NO REPORT NUMBER
N63-21592	22-11	NO REPORT NUMBER
N63-21593	22-13	NO REPORT NUMBER
N63-21594	22-11	NO REPORT NUMBER
N63-21595	22-11	NO REPORT NUMBER
N63-21596	22-11	NO REPORT NUMBER
N63-21597	22-11	NO REPORT NUMBER
N63-21598	22-11	NO REPORT NUMBER
N63-21599	22-11	NO REPORT NUMBER
N63-21600	22-11	NO REPORT NUMBER
N63-21601	22-11	NO REPORT NUMBER
N63-21602	22-11	NO REPORT NUMBER
N63-21603	22-11	NO REPORT NUMBER
N63-21604	22-11	NO REPORT NUMBER
N63-21605	22-02	NO REPORT NUMBER
N63-21606	22-11	NO REPORT NUMBER
N63-21607	22-11	NO REPORT NUMBER
N63-21608	22-11	NO REPORT NUMBER
N63-21609	22-11	NO REPORT NUMBER
N63-21610	22-02	NO REPORT NUMBER
N63-21611	22-14	NO REPORT NUMBER
N63-21612	22-24	NO REPORT NUMBER
N63-21613	22-24	NO REPORT NUMBER
N63-21614	22-21	AFCRL-63-868
N63-21615	22-29	NO REPORT NUMBER
N63-21616	22-29	NO REPORT NUMBER
N63-21617	22-29	NO REPORT NUMBER
N63-21618	22-29	NO REPORT NUMBER
N63-21619	22-29	NO REPORT NUMBER
N63-21620	22-29	NO REPORT NUMBER
N63-21621	22-29	NO REPORT NUMBER
N63-21622	22-29	NO REPORT NUMBER
N63-21623	22-16	NO REPORT NUMBER
N63-21624	22-12	NASA-CR-51107
N63-21625	22-27	NASA-TM-X-50286
N63-21626	22-27	NO REPORT NUMBER
N63-21627	22-04	FFM-59
N63-21628	22-23	NO REPORT NUMBER
N63-21629	22-23	NO REPORT NUMBER
N63-21630	22-23	NO REPORT NUMBER
N63-21631	22-01	NO REPORT NUMBER
N63-21632	22-23	EE-558
N63-21633	22-23	NO REPORT NUMBER
N63-21634	22-23	NO REPORT NUMBER
N63-21635	22-23	NO REPORT NUMBER
N63-21636	22-23	NO REPORT NUMBER
N63-21637	22-23	NO REPORT NUMBER
N63-21638	22-23	NO REPORT NUMBER
N63-21639	22-23	NO REPORT NUMBER
N63-21640	22-23	NO REPORT NUMBER
N63-21641	22-23	NO REPORT NUMBER
N63-21642	22-23	NO REPORT NUMBER
N63-21643	22-29	NASA-CR-51008
N63-21644	22-16	NO REPORT NUMBER
N63-21645	22-32	IAS PAPER 62-111
N63-21646	22-29	NASA-CR-51346
N63-21647	22-32	NASA-CR-51225
N63-21648	22-18	FTDM-2979
N63-21649	22-11	AST-3530-101-63U
N63-21650	22-29	A&ES-63-9
N63-21651	22-19	NASA-TM-X-50375
N63-21652	22-12	AFCRL-63-825
N63-21653	22-18	IS-662
N63-21654	22-23	AFCRL-63-698
N63-21655	22-18	SC-4792/RR/
N63-21656	22-26	LA-2909
N63-21657		ACC. NO. NOT USED
N63-21658	22-12	NO REPORT NUMBER
N63-21659	22-23	A&ES-62-18
N63-21660	22-19	A082
N63-21661	22-17	A077
N63-21662	22-33	A059

N63-21663	22-09	A058
N63-21664	22-33	A054
N63-21665	22-13	A066
N63-21666	22-26	NO REPORT NUMBER
N63-21667	22-23	PWAC-397
N63-21668	22-33	NO REPORT NUMBER
N63-21669	22-25	AFCRL-63-360
N63-21670	22-25	AFCRL-63-892
N63-21671	22-06	AFCRL-63-365
N63-21672	22-20	NAL-TN-MM-1-62
N63-21673	22-09	NO REPORT NUMBER
N63-21674	22-16	TILTK-5378
N63-21675	22-08	RADC-TDR-63-355
N63-21676	22-09	RADC-TDR-63-328
N63-21677	22-09	RADC-TDR-63-287
N63-21678	22-26	BMI-1647
N63-21679	22-18	BMI-1646
N63-21680	22-16	AAL-TDR-62-57
N63-21681	22-16	AAL-TDR-62-11
N63-21682	22-16	AAL-TDR-62-59
N63-21683	22-12	AFCRL-63-362
N63-21684	22-04	RF-TR-63-13
N63-21685	22-21	RSIC-59
N63-21686	22-15	RSIC-56
N63-21687	22-21	RSIC-61
N63-21688	22-16	AID-62-194
N63-21689	22-07	EXP-223/5
N63-21690	22-09	NO REPORT NUMBER
N63-21691	22-02	ASD-TDR-63-334, PT. VI
N63-21692	22-02	ASD-TDR-63-334, PT. III
N63-21693	22-02	ASD-TDR-63-334, PT. II
N63-21694	22-02	ASD-TDR-63-334, PT. I
N63-21695	22-20	AROD-2934-2
N63-21696	22-20	DI-82-0228
N63-21697	22-19	BM-RI-6295
N63-21698	22-14	ESD-TDR-62-305
N63-21699	22-23	NYO-10278
N63-21700	22-11	BSD-TDR-63-138
N63-21701		ACC. NO. NOT USED
N63-21702	22-19	ASD-TDR-7-945/III/
N63-21703	22-18	ASD-TDR-7-945/IV/
N63-21704	22-23	GA-4132
N63-21705	22-33	ASD-TDR-63-646
N63-21706	22-19	ANL-6731
N63-21707	22-33	FGT-2868
N63-21708	22-11	AFCRL-63-813
N63-21709	22-23	NO REPORT NUMBER
N63-21710	22-13	AFOSR-4906
N63-21711	22-13	BM-RI-6287
N63-21712	22-06	ASD-TDR-63-560
N63-21713	22-26	AERONAUTICAL ENG. REPT.-661
N63-21714	22-18	BMI-1636
N63-21715	22-23	AROD-2986-1
N63-21716	22-21	MO-744
N63-21717	22-15	GDR-63039
N63-21718	22-21	ERDA-50
N63-21719	22-22	AFCRL-63-821/1/
N63-21720	22-33	NLR-TN-M.2104
N63-21721	22-01	NO REPORT NUMBER
N63-21722	22-26	NASA-CR-51004
N63-21723	22-02	NASA-CR-51328
N63-21724	22-06	NASA-CR-50927/A
N63-21725	22-20	NASA-CR-50942
N63-21726	22-30	NASA-TM-X-50558
N63-21727	22-06	NASA-CR-55125
N63-21728	22-22	NASA-TM-X-50407
N63-21729	22-16	NASA-CR-51113
N63-21730	22-23	NASA-CR-51259
N63-21731	22-15	NASA-CR-51343
N63-21732	22-23	NASA-CR-51308
N63-21733	22-17	NASA-CR-51318
N63-21734	22-23	NASA-TM-X-50578
N63-21735	22-07	NASA-CR-51374
N63-21736	22-31	AIAA PAPER-63-277
N63-21737	22-23	NO REPORT NUMBER
N63-21738	22-23	NO REPORT NUMBER
N63-21739	22-23	NO REPORT NUMBER
N63-21740	22-23	NO REPORT NUMBER
N63-21741	22-23	NO REPORT NUMBER
N63-21742	22-23	NO REPORT NUMBER
N63-21743	22-23	NO REPORT NUMBER
N63-21744	22-23	MRC-6781
N63-21745	22-23	NO REPORT NUMBER
N63-21746	22-23	NO REPORT NUMBER
N63-21747	22-23	NO REPORT NUMBER
N63-21748	22-23	NO REPORT NUMBER
N63-21749	22-23	NO REPORT NUMBER
N63-21750	22-23	NO REPORT NUMBER
N63-21751	22-23	NO REPORT NUMBER
N63-21752	22-23	NO REPORT NUMBER
N63-21753	22-23	NO REPORT NUMBER
N63-21754	22-23	NO REPORT NUMBER
N63-21755	22-23	NO REPORT NUMBER
N63-21756	22-23	NO REPORT NUMBER
N63-21757	22-23	NO REPORT NUMBER
N63-21758	22-23	NO REPORT NUMBER
N63-21759	22-23	NO REPORT NUMBER
N63-21760	22-23	NO REPORT NUMBER
N63-21761	22-23	NO REPORT NUMBER
N63-21762	22-23	NO REPORT NUMBER
N63-21763	22-23	NO REPORT NUMBER
N63-21764	22-23	NO REPORT NUMBER
N63-21765	22-23	NO REPORT NUMBER
N63-21766	22-23	NO REPORT NUMBER
N63-21767	22-23	NO REPORT NUMBER
N63-21768	22-23	NO REPORT NUMBER
N63-21769	22-23	NO REPORT NUMBER
N63-21770	22-23	NO REPORT NUMBER
N63-21771	22-23	NO REPORT NUMBER
N63-21772	22-23	NO REPORT NUMBER
N63-21773	22-23	NO REPORT NUMBER
N63-21774	22-23	NO REPORT NUMBER
N63-21775	22-23	NO REPORT NUMBER
N63-21776	22-23	NO REPORT NUMBER
N63-21777	22-23	NO REPORT NUMBER
N63-21778	22-23	NO REPORT NUMBER
N63-21779	22-23	NO REPORT NUMBER
N63-21780	22-23	NO REPORT NUMBER
N63-21781	22-23	NO REPORT NUMBER
N63-21782	22-23	NO REPORT NUMBER
N63-21783	22-23	AMRA-TR-63-01
N63-21784	22-13	HT-5
N63-21785	22-11	TR-25
N63-21786	22-24	ARL-62-460
N63-21787	22-09	DS-101
N63-21788	22-09	ASD-TDR-63-442
N63-21789	22-25	AMRA-TR-63-03
N63-21790	22-09	DS-105
N63-21791	22-06	RADC-TDR-63-316
N63-21792	22-09	DS-103
N63-21793	22-29	IT-1067
N63-21794	22-09	DS-102
N63-21795	22-19	AMRA-TR-63-02
N63-21796	22-09	AMRA-TR-63-05
N63-21797	22-09	DS-104
N63-21798	22-09	RADC-TDR-63-338
N63-21799	22-02	ARC-CP-652
N63-21800	22-09	AFCRL-63-353
N63-21801	22-11	AFOSR-4854
N63-21802	22-19	ASD-TDR-63-459
N63-21803	22-07	NO REPORT NUMBER
N63-21804	22-23	NO REPORT NUMBER
N63-21805	22-26	WSS/CI PAPER 63-1
N63-21806	22-23	LMSC-6-90-62-35
N63-21807	22-19	FA-R-1668
N63-21808	22-33	NO REPORT NUMBER
N63-21809	22-12	MRL-131
N63-21810	22-23	MRL-133
N63-21811	22-19	ME-1-62
N63-21812	22-18	RIAS-TR-62-19
N63-21813	22-11	FLD-10
N63-21814	22-24	MND-2939
N63-21815		ACC. NO. NOT USED
N63-21816	22-26	AI-8672
N63-21817	22-23	AMRL-TDR-63-62
N63-21818	22-11	PIR-5753-1437
N63-21819	22-09	RADC-TDR-63-329
N63-21820	22-11	NO REPORT NUMBER
N63-21821	22-18	R63SD61
N63-21822	22-06	T-66-7
N63-21823	22-04	NO REPORT NUMBER
N63-21824	22-04	NO REPORT NUMBER
N63-21825	22-04	NO REPORT NUMBER
N63-21826	22-04	NO REPORT NUMBER
N63-21827	22-04	NO REPORT NUMBER
N63-21828	22-04	NO REPORT NUMBER
N63-21829	22-04	NO REPORT NUMBER
N63-21830	22-04	NO REPORT NUMBER
N63-21831	22-04	NO REPORT NUMBER
N63-21832	22-03	NO REPORT NUMBER
N63-21833	22-23	NO REPORT NUMBER
N63-21834	22-04	TRECOM-TR-63-51
N63-21835	22-23	J046-3
N63-21836	22-02	ARC-CP-651
N63-21837	22-33	ARC-CP-627
N63-21838	22-04	NO REPORT NUMBER
N63-21839	22-04	NO REPORT NUMBER
N63-21840	22-04	NO REPORT NUMBER
N63-21841	22-04	NO REPORT NUMBER
N63-21842	22-04	NO REPORT NUMBER

N63-21843	22-04	NO REPORT NUMBER
N63-21844	22-04	NO REPORT NUMBER
N63-21845	22-19	NASA-CR-51523
N63-21846	22-33	NASA-CR-51414
N63-21847	22-11	NASA-CR-51556
N63-21848	22-32	NASA-SP-4001
N63-21849	22-16	NO REPORT NUMBER
N63-21850	22-25	AROD-3560-1
N63-21851	22-06	AROD-3083-6
N63-21852	22-25	AROD-3083-7
N63-21853	22-20	NO REPORT NUMBER
N63-21854	22-23	NO REPORT NUMBER
N63-21855	22-23	NASA-CR-51392
N63-21856	22-33	JPL-TR-32-358
N63-21857		ACC. NO. NOT USED
N63-21858	22-05	NO REPORT NUMBER
N63-21859	22-18	GD/A-63-0817
N63-21860	22-16	SAM-TDR-62-113
N63-21861	22-06	NO REPORT NUMBER
N63-21862	22-16	NO REPORT NUMBER
N63-21863	22-08	NO REPORT NUMBER
N63-21864	22-33	TAE-19
N63-21865	22-19	ARA-T-9226-1
N63-21866	22-09	NO REPORT NUMBER
N63-21867	22-18	A052
N63-21868	22-18	A053
N63-21869	22-17	A055
N63-21870	22-18	A056
N63-21871	22-18	A057
N63-21872	22-17	A060
N63-21873	22-18	A063
N63-21874	22-17	A064
N63-21875	22-18	A067
N63-21876	22-18	A068
N63-21877	22-18	A069
N63-21878	22-18	A070
N63-21879	22-18	A071
N63-21880	22-18	A072
N63-21881	22-18	A073
N63-21882	22-17	A074
N63-21883	22-17	A075
N63-21884	22-17	A076
N63-21885	22-17	A079
N63-21886	22-18	A080
N63-21887	22-31	NASA-TN-D-1561
N63-21888	22-33	NASA-TN-D-1763
N63-21889	22-33	NASA-TN-D-1836
N63-21890	22-06	NASA-TN-D-1879
N63-21891	22-31	NASA-TN-D-1958
N63-21892	22-31	NASA-TN-D-1961
N63-21893	22-32	NASA-TN-D-1969
N63-21894	22-18	NASA-TN-D-1976
N63-21895	22-27	NASA-TN-D-1988
N63-21896	22-19	NASA-TN-D-2010
N63-21897	22-29	NASA-CR-19
N63-21898	22-34	Y-1418
N63-21899	22-08	NASA-TM-X-50425
N63-21900	22-02	NASA-TM-X-50419
N63-21901	22-27	NASA-TM-X-50470
N63-21902	22-32	NASA-CR-51232
N63-21903	22-32	NASA-CR-51014
N63-21904	22-08	NASA-CR-51310
N63-21905	22-32	NASA-CR-51042
N63-21906	22-28	NASA-TM-X-50561
N63-21907	22-29	SID-63-380
N63-21908	22-23	NO REPORT NUMBER
N63-21909	22-08	NO REPORT NUMBER
N63-21910	22-23	NASA-TM-X-50472
N63-21911	22-29	NASA-TM-X-50312
N63-21912	22-32	NASA-SP-6002
N63-21913	22-33	NASA-CR-51278
N63-21914	22-27	NASA-CR-51301
N63-21915	22-27	NASA-TM-X-50421
N63-21916	22-23	TG-230-T333
N63-21917	22-21	ERDA-68
N63-21918	22-10	NO REPORT NUMBER
N63-21919	22-10	NO REPORT NUMBER
N63-21920	22-27	ABL/M-118
N63-21921	22-09	GEAP-4229
N63-21922	22-32	NO REPORT NUMBER
N63-21923	22-08	AFCRL-63-814
N63-21924	22-16	CARI-63-4
N63-21925	22-18	JPRS-21052
N63-21926	22-16	JPRS-21097
N63-21927	22-01	NO REPORT NUMBER
N63-21928	22-11	AEDC-TDR-63-190
N63-21929	22-18	NO REPORT NUMBER
N63-21930	22-01	NO REPORT NUMBER
N63-21931	22-32	JPRS-21138
N63-21932	22-32	NO REPORT NUMBER
N63-21933	22-32	NO REPORT NUMBER
N63-21934	22-28	NO REPORT NUMBER
N63-21935	22-12	JPRS-21073
N63-21936	22-12	NO REPORT NUMBER
N63-21937	22-12	NO REPORT NUMBER
N63-21938	22-12	NO REPORT NUMBER
N63-21939	22-12	NO REPORT NUMBER
N63-21940	22-12	NO REPORT NUMBER
N63-21941	22-12	NO REPORT NUMBER
N63-21942	22-12	NO REPORT NUMBER
N63-21943	22-12	NO REPORT NUMBER
N63-21944	22-11	AROD-3493-2
N63-21945	22-11	NO REPORT NUMBER
N63-21946	22-11	NO REPORT NUMBER
N63-21947	22-11	NO REPORT NUMBER
N63-21948	22-24	NO REPORT NUMBER
N63-21949	22-11	NASA-CR-51373
N63-21950	22-11	NASA-CR-51163
N63-21951	22-01	NASA-SP-45
N63-21952	22-32	NO REPORT NUMBER
N63-21953	22-01	NO REPORT NUMBER
N63-21954	22-06	NO REPORT NUMBER
N63-21955	22-32	NO REPORT NUMBER
N63-21956	22-32	NO REPORT NUMBER
N63-21957	22-04	NO REPORT NUMBER
N63-21958	22-22	NO REPORT NUMBER
N63-21959	22-08	NO REPORT NUMBER
N63-21960	22-01	NO REPORT NUMBER
N63-21961	22-14	NO REPORT NUMBER
N63-21962	22-14	NO REPORT NUMBER
N63-21963	22-29	NO REPORT NUMBER
N63-21964	22-08	NO REPORT NUMBER
N63-21965	22-06	NO REPORT NUMBER
N63-21966	22-08	NO REPORT NUMBER
N63-21967	22-10	NO REPORT NUMBER
N63-21968	22-14	NO REPORT NUMBER
N63-21969	22-14	NO REPORT NUMBER
N63-21970	22-29	NO REPORT NUMBER
N63-21971	22-01	NO REPORT NUMBER
N63-21972	22-05	NO REPORT NUMBER
N63-21973	22-25	NO REPORT NUMBER
N63-21974	22-27	NASA-CR-51516
N63-21975	22-24	NASA-CR-51506
N63-21976	22-28	NASA-CR-51405
N63-21977	22-28	NASA-CR-51391
N63-21978	22-23	NO REPORT NUMBER
N63-21979	22-33	NO REPORT NUMBER
N63-21980	22-29	NASA-CR-51227
N63-21981	22-32	NASA-TM-X-50696
N63-21982	22-28	AFCRL-63-881
N63-21983	22-28	NO REPORT NUMBER
N63-21984	22-28	NO REPORT NUMBER
N63-21985	22-01	NASA-CR-51559
N63-21986	22-22	NASA-CR-51563
N63-21987	22-32	NASA-CR-51562
N63-21988	22-32	NASA-CR-51577
N63-21989	22-29	NO REPORT NUMBER
N63-21990	22-21	NO REPORT NUMBER
N63-21991	22-08	NO REPORT NUMBER
N63-21992	22-32	NASA-TM-X-50366
N63-21993	22-32	NASA-TM-X-50339
N63-21994	22-34	NASA-CR-50761
N63-21995	22-20	NASA-TM-X-50287
N63-21996	22-32	AIAA PAPER 63-411
N63-21997	22-16	NASA-CR-50883
N63-21998	22-24	NASA-CR-50855
N63-21999	22-24	NASA-CR-50845
N63-22000	22-32	NASA-TM-X-50205
N63-22001	22-32	NASA-TM-X-50206
N63-22002	22-32	NASA-TM-X-50207
N63-22003	22-32	NASA-TM-X-50208
N63-22004	22-32	NASA-TM-X-50204
N63-22005	22-32	NASA-TM-X-50202
N63-22006	22-32	NASA-TM-X-50203
N63-22007	22-32	NASA-TM-X-50197
N63-22008	22-32	NASA-TM-X-50198
N63-22009	22-32	NASA-TM-X-50200
N63-22010	22-32	NASA-TM-X-50196
N63-22011	22-01	NO REPORT NUMBER
N63-22012	22-09	NO REPORT NUMBER
N63-22013	22-08	NO REPORT NUMBER
N63-22014	22-01	NO REPORT NUMBER
N63-22015	22-09	NO REPORT NUMBER
N63-22016	22-12	NASA-CR-51507
N63-22017	22-08	NASA-CR-51321
N63-22018	22-31	NASA-TM-X-50288
N63-22019	22-02	WADC-TR-59-523
N63-22020	22-24	NO REPORT NUMBER
N63-22021	22-33	JPRS-21084
N63-22022	22-02	AEDC-TDR-63-188

N63-22023	22-19	RSIC-49
N63-22024		ACC. NO. NOT USED
N63-22025	22-07	AFCRL-63-884
N63-22026	22-18	HW-76562, REV.
N63-22027	22-33	PIBAL-668
N63-22028	22-01	NO REPORT NUMBER
N63-22029	22-06	NASA-CR-51518
N63-22030	22-32	NASA-CR-51555
N63-22031	22-11	ARC-CP-631
N63-22032	22-01	JPRS-21162
N63-22033	22-29	NASA-EP-14
N63-22034	22-31	AIAA PAPER-63-88
N63-22035	22-33	AIAA PAPER-2901-63
N63-22036	22-01	AIAA PAPER-63087
N63-22037	22-29	AIAA PAPER-63059-63
N63-22038	22-07	NO REPORT NUMBER
N63-22039	22-09	NO REPORT NUMBER
N63-22040	22-18	ASD-TDR-63-90
N63-22041	22-09	IER SER. 60, ISSUE 455
N63-22042	22-33	NO REPORT NUMBER
N63-22043	22-26	A&ES-63-4
N63-22044	22-04	NO REPORT NUMBER
N63-22045	22-09	ER-2918, REV.
N63-22046	22-09	AFCRL-63-307
N63-22047	22-11	NASA-CR-51515
N63-22048	22-11	NASA-CR-51517
N63-22049	22-11	NO REPORT NUMBER
N63-22050	22-29	NO REPORT NUMBER
N63-22051	22-03	ARC-CP-653
N63-22052	22-19	NASA-TM-X-50354
N63-22053	22-32	NASA-CR-51223
N63-22054	22-32	NASA-CR-51242
N63-22055	22-33	NASA-CR-51169
N63-22056	22-14	NO REPORT NUMBER
N63-22057	22-18	IITRI-B231-9
N63-22058	22-18	IITRI-86001-5
N63-22059	22-33	A&ES-63-5
N63-22060	22-02	A&ES-63-6
N63-22061	22-05	A&ES-63-8
N63-22062	22-02	ARL/A-193
N63-22063	22-18	ARL/MET-48
N63-22064	22-33	ARL/SM 291
N63-22065	22-23	RADC-TDR-63-258
N63-22066	22-24	RADC-TDR-63-267
N63-22067	22-09	RADC-TDR-63-297
N63-22068	22-09	RADC-TDR-63-298
N63-22069	22-09	RADC-TDR-63-317
N63-22070	22-23	BMI-1638
N63-22071	22-26	BMI-1643
N63-22072	22-19	HW-76301
N63-22073	22-18	HW-77954
N63-22074	22-09	NO REPORT NUMBER
N63-22075	22-06	NO REPORT NUMBER
N63-22076	22-16	SAM-TDR-62-141
N63-22077	22-16	SAM-TDR-63-25
N63-22078	22-16	SAM-TDR-63-34
N63-22079	22-12	R63SD34
N63-22080	22-19	R63SD76
N63-22081	22-09	AFCRL-63-336
N63-22082	22-26	R-1675
N63-22083	22-09	NO REPORT NUMBER
N63-22084	22-09	NO REPORT NUMBER
N63-22085		ACC. NO. NOT USED
N63-22086	22-11	PIBAL-669
N63-22087	22-26	NO REPORT NUMBER
N63-22088	22-12	NO REPORT NUMBER
N63-22089	22-13	ARL-63-147
N63-22090	22-06	SCR-99B
N63-22091	22-11	AEDC-TDR-63-192
N63-22092	22-12	AFCRL-63-844
N63-22093	22-16	NAA-SR-7909
N63-22094	22-09	NO REPORT NUMBER
N63-22095	22-11	TR-1106
N63-22096	22-18	PF-63-9
N63-22097	22-21	JPRS-20716
N63-22098	22-29	JPRS-20892
N63-22099	22-16	JPRS-21053
N63-22100	22-11	JPRS-21085
N63-22101	22-08	JPRS-21139
N63-22102	22-07	JPRS-21147
N63-22103	22-18	JPRS-21187
N63-22104	22-16	JPRS-21189
N63-22105	22-09	JPRS-21222
N63-22106	22-16	JPRS-21235
N63-22107	22-06	JPRS-21241
N63-22108	22-23	JPRS-21243
N63-22109	22-18	JPRS-21244
N63-22110	22-18	NASA-TN-D-1568
N63-22111	22-13	NASA-TN-D-1878
N63-22112	22-18	NASA-TN-D-1881
N63-22113	22-29	NASA-TN-D-190
N63-22114	22-11	NASA-TN-D-195
N63-22115	22-02	NASA-TN-D-196
N63-22116	22-03	NASA-TN-D-197
N63-22117	22-04	NASA-TN-D-209
N63-22118	22-29	NO REPORT NUMBE
N63-22119	22-09	RADC-TDR-63-33
N63-22120	22-11	NO REPORT NUMBE
N63-22121	22-09	RADC-TDR-63-32
N63-22122	22-25	AFCRL-63-36
N63-22123	22-11	MB-R-63-1
N63-22124	22-18	NO REPORT NUMBE
N63-22125	22-19	WADD-TR-61-72,V. X
N63-22126	22-23	RTD-TDR-63-302
N63-22127	22-18	ASD-TDR-62-25, PT. 2
N63-22128	22-04	NO REPORT NUMBE
N63-22129	22-23	REIC-3
N63-22130	22-07	ASD-TDR-63-32
N63-22131	22-09	RADC-TDR-63-394
N63-22132	22-08	NAVWEPS-8146
N63-22133	22-25	ATN-64/9236/-3
N63-22134	22-11	SM-43059
N63-22135	22-24	AFCRL-62-895
N63-22136	22-14	NASA-TN-D-1952
N63-22137	22-04	NASA-CR-51704
N63-22138	22-06	NASA-CR-51397
N63-22139	22-02	NASA-CR-51300
N63-22140	22-13	NASA-CR-51299
N63-22141	22-20	NASA-CR-51319
N63-22142	22-06	NASA-CR-51544
N63-22143	22-11	ARL-63-117
N63-22144	22-11	ARL-63-133
N63-22145	22-11	ARL-63-161
N63-22146	22-24	ARL-63-166
N63-22147	22-04	MTO-198-44
N63-22148		ACC. NO. NOT USED
N63-22149	22-09	SID-63-955
N63-22150		ACC. NO. NOT USED
N63-22151	22-14	NO REPORT NUMBER
N63-22152	22-23	JPRS-20754
N63-22153	22-08	ESD-TDR-63-224
N63-22154	22-23	NO REPORT NUMBER
N63-22155	22-16	LMSC-3-06-63-1
N63-22156	22-19	AROD-2770-3
N63-22157	22-29	NASA-CR-51421
N63-22158	22-26	NASA-CR-51520
N63-22159	22-27	NASA-CR-51521
N63-22160	22-19	NO REPORT NUMBER
N63-22161	22-26	NASA-CR-51733
N63-22162	23-20	NASA-TN-D-1737
N63-22163	23-11	NPL-AERO-1035
N63-22164	23-12	AID-P-63-98
N63-22165	23-32	NASA-CR-51422
N63-22166	23-06	NASA-CR-51514
N63-22167	23-23	NASA-CR-51371
N63-22168	23-04	NASA-TM-X-50303
N63-22169	23-32	NASA-TM-X-50364
N63-22170	23-32	NASA-TM-X-50335
N63-22171	23-04	NASA-CR-50971
N63-22172	23-28	NASA-TM-X-50725
N63-22173	23-29	NASA-TM-X-50816
N63-22174	23-32	NASA-CR-51729
N63-22175	23-08	JPRS-21261
N63-22176	23-18	NO REPORT NUMBER
N63-22177	23-23	IDO-28612
N63-22178	23-30	NO REPORT NUMBER
N63-22179	23-10	NO REPORT NUMBER
N63-22180	23-26	SC-4790/RR/
N63-22181	23-20	NO REPORT NUMBER
N63-22182	23-25	NO REPORT NUMBER
N63-22183	23-09	NO REPORT NUMBER
N63-22184	23-09	USNRDL-TR-664
N63-22185	23-23	USNRDL-TR-667
N63-22186	23-26	NOLTR-63-136
N63-22187	23-15	BALLISTICS RES. REPT.-109
N63-22188	23-11	AERODYNAMICS RES. REPT.-201
N63-22189	23-19	NOLTR-63-153
N63-22190	23-08	AFCRL-63-677
N63-22191	23-08	AFCRL-63-316, PT. 2
N63-22192	23-08	AFCRL-63-300
N63-22193	23-16	NASA-CR-51526
N63-22194	23-11	ARL-63-88
N63-22195	23-02	ARL-63-102
N63-22196	23-02	NASA-TM-X-50866
N63-22197	23-08	NO REPORT NUMBER
N63-22198	23-24	ARL-63-150
N63-22199	23-18	AFCRL-63-372
N63-22200	23-11	AVCO-EVERETT RES. REPT.-155
N63-22201	23-25	AVCO-EVERETT RES. REPT.-161
N63-22202	23-25	AVCO-EVERETT RES. REPT.-162

N63-22203	23-04	NMC-TM-62-22
N63-22204	23-02	NO REPORT NUMBER
N63-22205	23-29	RAE-TN-SPACE-38
N63-22206	23-32	RAE-TN-SPACE-39
N63-22207	23-18	ARC-CP-506
N63-22208	23-03	ARC-CP-618
N63-22209	23-33	ARC-CP-644
N63-22210	23-18	ARC-CP-655
N63-22211	23-33	RAE-R-STRUCT-278
N63-22212	23-04	ARC-CP-689
N63-22213	23-17	RAE-TM-SPACE-19
N63-22214	23-02	ARC-R&M-3323
N63-22215	23-33	RAE-R-STRUCT-261
N63-22216	23-25	PA-TR-3102
N63-22217	23-18	GEAP-4192
N63-22218	23-23	TID-3575
N63-22219	23-23	TID-3564/REV. 1/
N63-22220	23-18	TID-3572
N63-22221	23-18	TID-17940
N63-22222	23-10	NO REPORT NUMBER
N63-22223	23-08	RADC-RAL-TM-63-11
N63-22224	23-11	NYO-10432
N63-22225	23-10	ORNL-3478
N63-22226	23-16	ORNL-3492
N63-22227	23-23	ORNL-3493
N63-22228	23-08	AFCRL-63-359
N63-22229	23-23	DAVIDSON LAB. REPT.-888
N63-22230	23-08	SP16-A63
N63-22231	23-04	AERONAUTICAL ENG. REPT.-653
N63-22232	23-23	BNL-794/T-303/
N63-22233	23-07	BNL-800/T-307/
N63-22234	23-09	NO REPORT NUMBER
N63-22235	23-18	BM-RI-6308
N63-22236	23-11	BALLISTICS RES. REPT.-79
N63-22237	23-11	ARL-63-85
N63-22238	23-23	NYO-10430
N63-22239	23-19	BM-RI-6304
N63-22240	23-13	NOLTR-63-174
N63-22241	23-21	NO REPORT NUMBER
N63-22242	23-25	ARL-63-139
N63-22243	23-11	DASA-1397
N63-22244	23-23	KN-674-63-7/R/
N63-22245	23-03	R-1624-5
N63-22246	23-09	NASA-CR-50939
N63-22247	23-24	NASA-CR-51574
N63-22248	23-04	FFM-57
N63-22249	23-15	DFL-207
N63-22250	23-16	NO REPORT NUMBER
N63-22251	23-01	NO REPORT NUMBER
N63-22252	23-23	NO REPORT NUMBER
N63-22253	23-09	NO REPORT NUMBER
N63-22254	23-18	NO REPORT NUMBER
N63-22255	23-09	NO REPORT NUMBER
N63-22256	23-19	NO REPORT NUMBER
N63-22257	23-16	NO REPORT NUMBER
N63-22258	23-25	NO REPORT NUMBER
N63-22259	23-09	NO REPORT NUMBER
N63-22260	23-18	NO REPORT NUMBER
N63-22261	23-15	NO REPORT NUMBER
N63-22262	23-25	NO REPORT NUMBER
N63-22263	23-09	NO REPORT NUMBER
N63-22264	23-01	NASA-TT-F-81
N63-22265	23-03	NO REPORT NUMBER
N63-22266	23-02	MP-146
N63-22267	23-33	NO REPORT NUMBER
N63-22268	23-02	NO REPORT NUMBER
N63-22269	23-02	NO REPORT NUMBER
N63-22270	23-04	NO REPORT NUMBER
N63-22271	23-29	NO REPORT NUMBER
N63-22272	23-05	NO REPORT NUMBER
N63-22273	23-29	NO REPORT NUMBER
N63-22274	23-05	MIT-TR-412
N63-22275	23-09	NO REPORT NUMBER
N63-22276	23-23	RFP-326
N63-22277	23-22	NASA-TM-X-50843
N63-22278	23-02	U-2257
N63-22279	23-26	U-2276
N63-22280	23-01	IDA/HQ-63-1412
N63-22281	23-06	NO REPORT NUMBER
N63-22282	23-06	NO REPORT NUMBER
N63-22283	23-06	NO REPORT NUMBER
N63-22284	23-06	NO REPORT NUMBER
N63-22285	23-06	NO REPORT NUMBER
N63-22286	23-06	NO REPORT NUMBER
N63-22287	23-06	NO REPORT NUMBER
N63-22288	23-06	NO REPORT NUMBER
N63-22289	23-06	NO REPORT NUMBER
N63-22290	23-06	NO REPORT NUMBER
N63-22291	23-24	NO REPORT NUMBER
N63-22292	23-24	NO REPORT NUMBER
N63-22293	23-06	NO REPORT NUMBER
N63-22294	23-06	NO REPORT NUMBER
N63-22295	23-06	NO REPORT NUMBER
N63-22296	23-16	JPRS-21050
N63-22297	23-16	NO REPORT NUMBER
N63-22298	23-09	FFIK-IR-K-E-10
N63-22299	23-12	NDRE-46
N63-22300	23-09	RPU-S12
N63-22301	23-01	TID-7653 /PT. 1/
N63-22302	23-27	NO REPORT NUMBER
N63-22303	23-27	NO REPORT NUMBER
N63-22304	23-27	RM-2940-PR
N63-22305	23-27	NO REPORT NUMBER
N63-22306	23-26	NO REPORT NUMBER
N63-22307	23-27	NO REPORT NUMBER
N63-22308	23-16	NO REPORT NUMBER
N63-22309	23-27	NO REPORT NUMBER
N63-22310	23-13	NO REPORT NUMBER
N63-22311	23-27	NO REPORT NUMBER
N63-22312	23-13	NO REPORT NUMBER
N63-22313	23-27	NO REPORT NUMBER
N63-22314	23-27	NO REPORT NUMBER
N63-22315	23-27	NO REPORT NUMBER
N63-22316	23-11	NO REPORT NUMBER
N63-22317	23-13	NO REPORT NUMBER
N63-22318	23-27	NO REPORT NUMBER
N63-22319	23-27	NO REPORT NUMBER
N63-22320	23-27	NO REPORT NUMBER
N63-22321	23-27	NO REPORT NUMBER
N63-22322	23-27	NO REPORT NUMBER
N63-22323	23-24	MATT-205
N63-22324	23-04	PIBMRI-1147-63
N63-22325	23-03	FLIGHT SCIENCES LAB. TR-79
N63-22326	23-20	NO REPORT NUMBER
N63-22327		ACC. NO. NOT USED
N63-22328	23-12	NO REPORT NUMBER
N63-22329	23-11	LMSC-TR-3-80-61-2
N63-22330	23-01	NO REPORT NUMBER
N63-22331	23-09	NO REPORT NUMBER
N63-22332	23-10	NO REPORT NUMBER
N63-22333	23-13	NO REPORT NUMBER
N63-22334	23-02	NO REPORT NUMBER
N63-22335	23-11	NO REPORT NUMBER
N63-22336	23-11	NO REPORT NUMBER
N63-22337	23-02	NR-062-265
N63-22338	23-11	NO REPORT NUMBER
N63-22339	23-11	ARL-63-167
N63-22340	23-09	NO REPORT NUMBER
N63-22341		ACC. NO. NOT USED
N63-22342	23-30	ARL-63-86
N63-22343	23-15	ARL-63-162
N63-22344	23-02	NO REPORT NUMBER
N63-22345	23-23	NO REPORT NUMBER
N63-22346	23-23	ARL-63-127
N63-22347	23-26	ARL-63-157
N63-22348	23-16	NO REPORT NUMBER
N63-22349	23-09	PP-T-9672-2
N63-22350	23-09	TR-1162
N63-22351	23-23	NOLTR-63-192
N63-22352	23-24	LMSC SB-61-56
N63-22353	23-09	NASA-CR-51530
N63-22354	23-23	UCRL-2426, VOL. III
N63-22355	23-23	UCRL-10331
N63-22356	23-07	UCRL-10886
N63-22357	23-09	UCRL-10898
N63-22358	23-26	CPIA PUBL. 28
N63-22359	23-16	NAA-SR-8303
N63-22360	23-09	AFCRL-63-331
N63-22361	23-11	COA-N-140
N63-22362	23-09	NO REPORT NUMBER
N63-22363	23-09	NO REPORT NUMBER
N63-22364	23-09	NO REPORT NUMBER
N63-22365	23-12	AFCRL-63-615
N63-22366	23-16	JPRS-21171
N63-22367	23-16	NO REPORT NUMBER
N63-22368	23-16	NO REPORT NUMBER
N63-22369	23-12	SSD-TDR-63-221
N63-22370	23-09	TR-134
N63-22371	23-29	SM-43634
N63-22372	23-26	NO REPORT NUMBER
N63-22373	23-18	NO REPORT NUMBER
N63-22374	23-29	NO REPORT NUMBER
N63-22375	23-11	TRECOM-TR-63-35
N63-22376	23-04	TRECOM-TR-63-53
N63-22377	23-24	LA-2940
N63-22378	23-18	LAMS-2952
N63-22379	23-12	B-2596
N63-22380	23-02	RTD-TDR-63-1036
N63-22381	23-20	BRL-1209
N63-22382	23-02	TN-AE-14-62

N63-22383 23-05 ..... NO REPORT NUMBER
N63-22384 23-24 ..... AFCRL-63-195
N63-22385 23-19 ..... AFCRL-63-857
N63-22386 23-07 ..... AFCRL-63-858
N63-22387 23-19 ..... AFCRL-63-859
N63-22388 23-27 ..... ARC-R&M-3320
N63-22389 23-12 ..... BNL-784/T-298/
N63-22390 23-06 ..... ASD-TDR-63-85
N63-22391 23-17 ..... ASD-TDR-63-491
N63-22392 23-14 ..... AMRL-TDR-63-29
N63-22393 23-29 ..... NASA-TM-X-50804
N63-22394 23-34 ..... PA-TM-1206
N63-22395 23-15 ..... CAL-129
N63-22396 23-07 ..... AROD-2650-4
N63-22397 23-07 ..... ARL-63-160
N63-22398 23-13 ..... NO REPORT NUMBER
N63-22399 23-23 ..... NO REPORT NUMBER
N63-22400 23-27 ..... ASD-TDR-63-750
N63-22401 23-27 ..... NO REPORT NUMBER
N63-22402 23-19 ..... HW-77799
N63-22403 23-23 ..... HW-76263
N63-22404 23-24 ..... RADC-TDR-63-240
N63-22405 23-08 ..... RADC-TDR-63-358
N63-22406 23-09 ..... RADC-TDR-63-365
N63-22407 23-19 ..... ONR-TR-60
N63-22408 23-19 ..... ONR-TR-61
N63-22409 23-19 ..... ONR-TR-62
N63-22410 ..... ACC. NO. NOT USED
N63-22411 23-16 ..... NO REPORT NUMBER
N63-22412 23-08 ..... NO REPORT NUMBER
N63-22413 23-24 ..... UTIA-TN-58
N63-22414 23-18 ..... IITRI-8241-8
N63-22415 ..... ACC. NO. NOT USED
N63-22416 23-21 ..... MR163-FR-71, PT. A
N63-22417 23-21 ..... MR163-FR-71, PT. B
N63-22418 23-19 ..... NO REPORT NUMBER
N63-22419 23-24 ..... R63SD78
N63-22420 23-11 ..... R63SD79
N63-22421 23-13 ..... NO REPORT NUMBER
N63-22422 23-08 ..... ESD-TDR-63-609
N63-22423 23-18 ..... HW-71570
N63-22424 23-18 ..... HW-78574
N63-22425 23-11 ..... GA-4506
N63-22426 23-16 ..... NADC-MA-6313
N63-22427 23-16 ..... NADC-MA-6314
N63-22428 23-16 ..... NADC-MA-6315
N63-22429 23-09 ..... RADC-TDR-63-399
N63-22430 23-11 ..... AROD-2303-4
N63-22431 23-11 ..... AROD-2303-1
N63-22432 23-16 ..... JPRS-20988
N63-22433 23-16 ..... JPRS-21034
N63-22434 23-16 ..... JPRS-21038
N63-22435 23-16 ..... JPRS-21067
N63-22436 23-12 ..... JPRS-21163
N63-22437 23-17 ..... RIA-63-2041
N63-22438 23-02 ..... AEDC-TDR-63-203
N63-22439 23-26 ..... F-63-2
N63-22440 23-12 ..... AID-P-63-107
N63-22441 23-21 ..... AFCRL-63-694
N63-22442 23-08 ..... NO REPORT NUMBER
N63-22443 23-08 ..... NO REPORT NUMBER
N63-22444 23-18 ..... DMIC-MEMO-172
N63-22445 23-27 ..... ASD-TDR-63-428, PT. II
N63-22446 23-27 ..... ASD-TDR-63-428, PT. I
N63-22447 23-13 ..... PIBAL-670
N63-22448 23-24 ..... RADC-TDR-63-368
N63-22449 23-29 ..... NO REPORT NUMBER
N63-22450 23-29 ..... NO REPORT NUMBER
N63-22451 23-27 ..... NO REPORT NUMBER
N63-22452 23-17 ..... NASA-RP-37
N63-22453 23-12 ..... NASA-RP-35
N63-22454 23-27 ..... NO REPORT NUMBER
N63-22455 23-11 ..... RF-TR-63-18
N63-22456 23-08 ..... RG-TR-63-13
N63-22457 23-11 ..... RG-TR-63-15
N63-22458 23-09 ..... RG-TR-63-16
N63-22459 23-24 ..... RR-TR-63-14
N63-22460 23-23 ..... RSIC-46
N63-22461 23-21 ..... RSIC-55
N63-22462 23-21 ..... RSIC-58
N63-22463 23-23 ..... RSIC-60
N63-22464 23-12 ..... AFCRL-63-848
N63-22465 ..... ACC. NO. NOT USED
N63-22466 23-11 ..... AE-175, ISSUE 2
N63-22467 23-11 ..... TIL/T-5352
N63-22468 23-12 ..... AFCRL-63-685
N63-22469 23-21 ..... AFCRL-63-836
N63-22470 23-18 ..... BM-RI-6301
N63-22471 23-18 ..... BM-RI-6303
N63-22472 23-23 ..... LAMS-2941
N63-22473 23-23 ..... URPA-
N63-22474 23-23 ..... URPA-
N63-22475 23-12 ..... AFCRL-63-8
N63-22476 23-08 ..... DR-
N63-22477 23-26 ..... BM-IC-81
N63-22478 23-11 ..... LA-29
N63-22479 23-12 ..... NO REPORT NUMB
N63-22480 23-18 ..... NO REPORT NUMB
N63-22481 23-23 ..... SLAC-
N63-22482 23-24 ..... NO REPORT NUMB
N63-22483 ..... ACC. NO. NOT US
N63-22484 ..... ACC. NO. NOT US
N63-22485 23-33 ..... ASD-TDR-63-852, VOL.
N63-22486 23-33 ..... ASD-TDR-63-67
N63-22487 23-02 ..... NO REPORT NUMB
N63-22488 23-07 ..... NO REPORT NUMBE
N63-22489 23-19 ..... NO REPORT NUMBE
N63-22490 23-19 ..... NOLTR-63-
N63-22491 23-19 ..... NOLTR-63-11
N63-22492 23-19 ..... NOLTR-63-15
N63-22493 23-23 ..... NOLTR-63-15
N63-22494 23-02 ..... NOLTR-63-16
N63-22495 23-23 ..... ARL-63-10
N63-22496 23-18 ..... ARL-63-12
N63-22497 23-25 ..... ARL-63-12
N63-22498 23-20 ..... ARL-63-14
N63-22499 23-19 ..... ARL-63-15
N63-22500 23-24 ..... ARL-63-15
N63-22501 23-09 ..... ARL-63-16
N63-22502 23-16 ..... USNRDL-TR-66
N63-22503 23-23 ..... USNRDL-TR-66
N63-22504 23-19 ..... NO REPORT NUMBER
N63-22505 23-23 ..... NO REPORT NUMBER
N63-22506 23-23 ..... AFCRL-63-88
N63-22507 23-24 ..... TDR-269/4280-20/-1
N63-22508 23-28 ..... AFCRL-63-35
N63-22509 23-19 ..... JPL-TR-32-43
N63-22510 23-08 ..... NASA-CR-51787
N63-22511 23-11 ..... NASA-TM-X-50944
N63-22512 23-29 ..... NASA-CR-5199
N63-22513 23-09 ..... RG-TN-63-5
N63-22514 23-08 ..... RG-TR-63-17
N63-22515 23-02 ..... NO REPORT NUMBER
N63-22516 23-09 ..... RADC-RAU-TM-63-
N63-22517 23-20 ..... RADC-RAU-TM-63-5
N63-22518 23-18 ..... NAVWEPS-7198 /REV./
N63-22519 23-07 ..... NO REPORT NUMBER
N63-22520 23-09 ..... NO REPORT NUMBER
N63-22521 23-14 ..... AMRL-TDR-63-79
N63-22522 23-20 ..... BRL-855
N63-22523 23-21 ..... TN-WP-21-63
N63-22524 23-21 ..... TN-WP-22-63
N63-22525 23-11 ..... BBN-1054
N63-22526 23-11 ..... SSD-3418R
N63-22527 23-11 ..... NO REPORT NUMBER
N63-22528 23-13 ..... NO REPORT NUMBER
N63-22529 23-33 ..... NO REPORT NUMBER
N63-22530 23-33 ..... NO REPORT NUMBER
N63-22531 23-09 ..... ESD-TDR-63-440
N63-22532 23-32 ..... NO REPORT NUMBER
N63-22533 23-30 ..... NO REPORT NUMBER
N63-22534 23-04 ..... NO REPORT NUMBER
N63-22535 23-16 ..... NO REPORT NUMBER
N63-22536 23-19 ..... NO REPORT NUMBER
N63-22537 23-18 ..... NO REPORT NUMBER
N63-22538 23-18 ..... NASA-TM-X-50955
N63-22539 23-02 ..... NO REPORT NUMBER
N63-22540 23-09 ..... NO REPORT NUMBER
N63-22541 23-19 ..... ORNL-RMIC-1
N63-22542 23-19 ..... NO REPORT NUMBER
N63-22543 23-19 ..... NO REPORT NUMBER
N63-22544 23-19 ..... NO REPORT NUMBER
N63-22545 23-19 ..... NO REPORT NUMBER
N63-22546 23-19 ..... NO REPORT NUMBER
N63-22547 23-09 ..... RADC-TDR-63-326
N63-22548 23-09 ..... NO REPORT NUMBER
N63-22549 23-09 ..... NO REPORT NUMBER
N63-22550 23-20 ..... CERN-63-16
N63-22551 23-23 ..... CERN-63-18
N63-22552 23-20 ..... CERN-63-21
N63-22553 23-16 ..... JPRS-21170
N63-22554 23-16 ..... NO REPORT NUMBER
N63-22555 23-16 ..... NO REPORT NUMBER
N63-22556 23-20 ..... NYU-TR-400-60
N63-22557 23-18 ..... NO REPORT NUMBER
N63-22558 23-15 ..... RSIC-57
N63-22559 23-23 ..... RSIC-65
N63-22560 ..... ACC. NO. NOT USED
N63-22561 23-23 ..... UCRL-6989
N63-22562 23-20 ..... R-59

N63-22563	23-30	R-65
N63-22564	23-18	AROD-2530-2
N63-22565	23-23	ANL-6780
N63-22566	23-11	SM-42998
N63-22567	23-24	TDR-169/3230-11/TN-12
N63-22568	23-33	SSD-TDR-63-157
N63-22569	23-30	SSD-TDR-63-210
N63-22570	23-24	AROD-2836-1
N63-22571	23-09	NO REPORT NUMBER
N63-22572	23-09	NASA-TN-D-1992
N63-22573	23-16	JPRS-21246
N63-22574	23-27	NO REPORT NUMBER
N63-22575	23-19	FTD-TT-62-911/1&2
N63-22576	23-07	LMSC-SB-63-32
N63-22577	23-06	NASA-CR-51779
N63-22578	23-23	NASA-CR-51807
N63-22579	23-07	NASA-CR-51790
N63-22580	23-07	NASA-CR-51791
N63-22581	23-30	NASA-CR-51783
N63-22582	23-33	NASA-CR-51762
N63-22583	23-12	NASA-TM-X-50842
N63-22584	23-26	NASA-CR-51566
N63-22585	23-06	NASA-CR-51596
N63-22586	23-27	NASA-CR-51567
N63-22587	23-16	JPRS-20997
N63-22588	23-16	JPRS-21200
N63-22589	23-12	JPRS-21277
N63-22590	23-07	ARL-63-134
N63-22591	23-29	ASD-TDR-63-454
N63-22592	23-13	ASD-TDR-63-574
N63-22593	23-33	ASD-TDR-63-647
N63-22594	23-08	AMRL-TDR-63-74
N63-22595	23-20	AMRL-TDR-63-78
N63-22596	23-08	AMRL-TDR-62-115/II/
N63-22597	23-13	WADD-TR-60-370, PART III
N63-22598	23-26	NASA-TN-D-1892
N63-22599		ACC. NO. NOT USED
N63-22600	23-02	NASA-TN-D-1982
N63-22601	23-23	NASA-TN-D-1993
N63-22602	23-12	NASA-TT-F-179
N63-22603	23-23	UCRL-7427
N63-22604	23-09	RE-TR-63-7
N63-22605	23-21	KE-TR-63-13
N63-22606	23-16	NO REPORT NUMBER
N63-22607	23-07	RK-TR-63-20
N63-22608	23-23	RR-TR-63-10
N63-22609	23-22	RT-TR-63-4
N63-22610	23-23	BRL-1188
N63-22611	23-11	RSIC-66
N63-22612	23-27	RSIC-67
N63-22613	23-11	AEDC-TDR-63-195
N63-22614	23-09	ARC-R-107
N63-22615	23-16	AMRL-TDR-63-71
N63-22616	23-20	MRC-406
N63-22617	23-33	NO REPORT NUMBER
N63-22618	23-33	NO REPORT NUMBER
N63-22619	23-23	IITRI-1194-13
N63-22620	23-07	NO REPORT NUMBER
N63-22621	23-20	BRL-1207
N63-22622	23-23	BMI-1642/DEL./
N63-22623	23-01	BMI-1648
N63-22624	23-02	NO REPORT NUMBER
N63-22625	23-11	NO REPORT NUMBER
N63-22626	23-10	NO REPORT NUMBER
N63-22627	23-20	NO REPORT NUMBER
N63-22628	23-20	NO REPORT NUMBER
N63-22629	23-20	NO REPORT NUMBER
N63-22630	23-12	EG&G-B-2602
N63-22631	23-19	Q445-2
N63-22632	23-09	Q445-3
N63-22633	23-09	Q445-4
N63-22634	23-23	REIC-31, PT. I
N63-22635	23-23	REIC-31, PT. II
N63-22636	23-16	REIC-33
N63-22637	23-27	RTD-TDR-63-1027
N63-22638	23-23	ASD-TDR-63-41
N63-22639	23-10	CRREL-III-A4
N63-22640	23-04	NO REPORT NUMBER
N63-22641	23-12	AFCRL-63-987
N63-22642	23-18	NO REPORT NUMBER
N63-22643	23-18	NO REPORT NUMBER
N63-22644	23-18	NO REPORT NUMBER
N63-22645	23-09	MRC-395
N63-22646	23-20	MRC-404
N63-22647	23-20	MRC-407
N63-22648	23-20	MRC-412
N63-22649	23-20	MRC-413
N63-22650	23-20	MRC-415
N63-22651	23-09	W-J-63-615R10
N63-22652	23-02	NO REPORT NUMBER
N63-22653	23-15	NO REPORT NUMBER
N63-22654	23-11	AFCRL-63-354
N63-22655	23-16	HW-76351, REV.
N63-22656	23-23	HW-78118
N63-22657	23-23	HW-78274
N63-22658	23-16	JPRS-21204
N63-22659	23-12	JPRS-21273
N63-22660	23-14	JPRS-21286
N63-22661	23-23	NAA-SR-8377
N63-22662	23-13	NAA-SR-8538
N63-22663	23-08	NRL-5902
N63-22664	23-16	SAM-TDR-63-14
N63-22665		ACC. NO. NOT USED
N63-22666	23-16	SAM-TDR-63-41
N63-22667	23-14	SAM-TDR-63-53
N63-22668	23-16	UCLA-517
N63-22669	23-18	UCRL-10701
N63-22670	23-23	USAELRDL-TN-2306
N63-22671	23-11	UTIA-TN-67
N63-22672	23-10	SR-AE-1-63
N63-22673	23-23	WAPD-TM-313
N63-22674	23-14	NO REPORT NUMBER
N63-22675	23-26	NAA-SR-8263
N63-22676	23-09	AFCRL-63-329
N63-22677	23-24	SEL-63-066
N63-22678	23-09	SEL-63-082
N63-22679	23-18	NO REPORT NUMBER
N63-22680	23-23	NO REPORT NUMBER
N63-22681	23-10	RADC-TDR-63-347
N63-22682	23-14	AMRL-TDR-63-68 /I/
N63-22683	23-19	RSIC-41
N63-22684	23-03	TRECOM-TR-63-26
N63-22685	23-32	NASA-CR-51963
N63-22686	23-01	NO REPORT NUMBER
N63-22687	23-29	NO REPORT NUMBER
N63-22688	23-29	NO REPORT NUMBER
N63-22689	23-24	NO REPORT NUMBER
N63-22690	23-29	NO REPORT NUMBER
N63-22691	23-23	NO REPORT NUMBER
N63-22692	23-09	NO REPORT NUMBER
N63-22693	23-19	NO REPORT NUMBER
N63-22694	23-19	NO REPORT NUMBER
N63-22695	23-09	NO REPORT NUMBER
N63-22696	23-09	NO REPORT NUMBER
N63-22697	23-13	NO REPORT NUMBER
N63-22698	23-28	NO REPORT NUMBER
N63-22699	23-06	NO REPORT NUMBER
N63-22700	23-09	NO REPORT NUMBER
N63-22701	23-01	NO REPORT NUMBER
N63-22702	23-32	NASA-CR-51964
N63-22703	23-09	NASA-CR-51584
N63-22704	23-20	NO REPORT NUMBER
N63-22705	23-23	NASA-TN-D-146-III/A/
N63-22706	23-23	NASA-TN-D-146-III/B/
N63-22707	23-23	NASA-TN-D-146-III/C/
N63-22708	23-22	NASA-TN-D-1812
N63-22709	23-09	NASA-TN-D-1840
N63-22710	23-05	NASA-TN-D-1907
N63-22711	23-02	NASA-TN-D-1908
N63-22712	23-13	NASA-TN-D-1960
N63-22713	23-17	NASA-TN-D-1994
N63-22714	23-16	AAL-TDR-62-58
N63-22715	23-16	AAL-TDR-63-5
N63-22716	23-16	AAL-TDR-63-6
N63-22717	23-14	AAL-TDR-63-14
N63-22718	23-10	AAL-TDR-63-18
N63-22719	23-16	AAL-TN-62-10
N63-22720	23-21	ERDA-51
N63-22721	23-21	ERDA-52
N63-22722	23-18	WAL-TR-405/2-2
N63-22723	23-19	ASD-TR-7-995/IV/
N63-22724	23-15	AFCRL-63-842
N63-22725	23-09	NO REPORT NUMBER
N63-22726	23-09	NSSP-17
N63-22727	23-26	RTD-TDR-63-1069
N63-22728	23-24	SB-63-21
N63-22729	23-34	SB-63-36
N63-22730	23-34	SB-63-40
N63-22731	23-30	SP-1022
N63-22732	23-23	APDA-154
N63-22733	23-27	RTD-TDR-63-1038
N63-22734	23-23	AFCRL-63-358
N63-22735	23-05	NO REPORT NUMBER
N63-22736	23-05	NO REPORT NUMBER
N63-22737	23-05	NO REPORT NUMBER
N63-22738	23-05	NO REPORT NUMBER
N63-22739	23-05	NO REPORT NUMBER
N63-22740		ACC. NO. NOT USED
N63-22741	23-23	NO REPORT NUMBER
N63-22742	23-20	NO REPORT NUMBER

N63-22743	23-23	NO REPORT NUMBER
N63-22744	23-20	ARL-63-186
N63-22745	23-23	AROD-1325-17
N63-22746	23-26	AECL-1819
N63-22747	23-23	CARDE-TN-1524
N63-22748	23-12	CPD-1962/5/W/
N63-22749	23-33	NO REPORT NUMBER
N63-22750	23-12	NO REPORT NUMBER
N63-22751	23-01	NO REPORT NUMBER
N63-22752	23-11	CAL-87-P
N63-22753	23-09	JHU-22-P
N63-22754	23-20	ANL-6699
N63-22755	23-23	ANL-6730
N63-22756	23-11	ANL-6710
N63-22757	23-11	ANL-6741
N63-22758	23-02	ANL-6754
N63-22759	23-27	ANL-6656
N63-22760	23-23	IDO-16899
N63-22761	23-04	NO REPORT NUMBER
N63-22762	23-23	DVL-264
N63-22763	23-15	AFCRL-63-602
N63-22764	23-12	CPD-1962/4/W/
N63-22765	23-08	AFCRL-63-489
N63-22766	23-15	AECL-1801
N63-22767	23-23	SB-63-31
N63-22768	23-14	AAL-TDR-63-24
N63-22769	23-03	DTMB-AERO-1057
N63-22770	23-13	DTMB-AERO-1061
N63-22771	23-06	SID-62-708
N63-22772	23-09	SID-63-60
N63-22773	23-29	SID-63-347
N63-22774	23-24	NO REPORT NUMBER
N63-22775	23-29	NO REPORT NUMBER
N63-22776	23-30	NO REPORT NUMBER
N63-22777	23-29	NO REPORT NUMBER
N63-22778	23-13	GEMP-26A
N63-22779	23-23	ISS-63/7 RIST.
N63-22780	23-23	ISS-63/8 RIST.
N63-22781	23-23	ISS-63/36
N63-22782		ACC. NO. NOT USED
N63-22783	23-21	ERDA-70
N63-22784	23-01	NO REPORT NUMBER
N63-22785	23-14	TM-339-84
N63-22786	23-18	NO REPORT NUMBER
N63-22787	23-23	NYO-10178
N63-22788	23-11	EOS-RN-61
N63-22789	23-09	NO REPORT NUMBER
N63-22790	23-09	B-2
N63-22791	23-26	NO REPORT NUMBER
N63-22792	23-26	NO REPORT NUMBER
N63-22793	23-09	NO REPORT NUMBER
N63-22794	23-09	NO REPORT NUMBER
N63-22795	23-26	NO REPORT NUMBER
N63-22796	23-11	RR-40
N63-22797	23-33	RR-44
N63-22798	23-12	SEL-63-063
N63-22799	23-12	ARL-1357-1
N63-22800	23-23	AFCRL-63-697
N63-22801	23-12	AFCRL-63-886
N63-22802	23-12	AFCRL-63-894
N63-22803	23-29	AFCRL-63-895
N63-22804	23-18	NO REPORT NUMBER
N63-22805	23-29	NO REPORT NUMBER
N63-22806	23-32	NASA-CR-4
N63-22807	23-32	SB-63-27
N63-22808	23-14	NO REPORT NUMBER
N63-22809	23-13	RPI-61
N63-22810	23-23	NUP-63-10
N63-22811	23-19	NO REPORT NUMBER
N63-22812	23-23	AFCRL-63-877
N63-22813	23-33	A&ES-63-3
N63-22814	23-23	FA-M64-5-1
N63-22815	23-17	FA-R-1685
N63-22816	23-19	NAA-SR-8108
N63-22817	23-18	DMIC-MEMO-173
N63-22818	23-18	DMIC-MEMO-174
N63-22819	23-18	DMIC-MEMO-175
N63-22820	23-18	ER-5498
N63-22821	23-09	RADC-TDR-63-350
N63-22822	23-19	RIA-63-2482
N63-22823	23-19	RIA-63-2392
N63-22824	23-23	HW-78193
N63-22825		ACC. NO. NOT USED
N63-22826		ACC. NO. NOT USED
N63-22827	23-16	SAM-TDR-63-38
N63-22828	23-14	SAM-TDR-63-62
N63-22829	23-16	UCRL-10951
N63-22830	23-23	UCRL-10953
N63-22831	23-23	UCRL-10516
N63-22832	23-13	CTR.00-272
N63-22833	23-19	AFCRL-63-308
N63-22834	23-23	ANL-5800
N63-22835	23-23	NYO-9539
N63-22836	23-10	TG-461
N63-22837	23-24	DI-82-0255
N63-22838	23-30	IDO-24042
N63-22839	23-23	NO REPORT NUMBER
N63-22840	23-01	NO REPORT NUMBER
N63-22841	23-32	NO REPORT NUMBER
N63-22842	23-09	NO REPORT NUMBER
N63-22843	23-32	NO REPORT NUMBER
N63-22844	23-07	NO REPORT NUMBER
N63-22845	23-19	NO REPORT NUMBER
N63-22846	23-09	AVCO-EVERETT RES. REPT.-160
N63-22847	23-11	AMRA-TR-63-12
N63-22848	23-01	NO REPORT NUMBER
N63-22849	23-26	U-2289
N63-22850	23-02	NAEC-ASL-1063
N63-22851	23-23	AERE-R-4218
N63-22852	23-25	EUR-358.I
N63-22853	23-03	ARC-CP-621
N63-22854	23-11	ARC-CP-635
N63-22855	23-05	NO REPORT NUMBER
N63-22856	23-01	NO REPORT NUMBER
N63-22857	23-32	AD-410085
N63-22858	23-23	CU/PNPL/-227
N63-22859	23-20	NO REPORT NUMBER
N63-22860	23-23	IPST-CAT. 201
N63-22861	23-06	NASA-TN-D-2061
N63-22862	23-13	NASA-TR-R-132
N63-22863	23-16	NASA-TT-F-156
N63-22864	23-27	NASA-CR-52044
N63-22865	23-27	NASA-CR-52076
N63-22866	23-10	F-829B
N63-22867	23-09	PIBMRI-1143-63
N63-22868	23-23	RSIC-52
N63-22869	23-23	RSIC-64
N63-22870	23-18	ESRD 13-13
N63-22871	23-11	R61SD105
N63-22872	23-20	CAL-VE-1512-G-1
N63-22873	23-12	NO REPORT NUMBER
N63-22874	23-12	NO REPORT NUMBER
N63-22875	23-24	NASA-CR-51825
N63-22876	23-23	NO REPORT NUMBER
N63-22877	23-08	NASA-CR-52020
N63-22878	23-20	NASA-CR-52018
N63-22879	23-11	NASA-CR-52023
N63-22880	23-29	NASA-CR-51782
N63-22881	23-23	NASA-CR-52006
N63-22882	23-18	NASA-CR-51858
N63-22883	23-21	NASA-CR-51824
N63-22884	23-04	NO REPORT NUMBER
N63-22885	23-28	AID-P-63-89
N63-22886	23-08	AID-P-63-111
N63-22887	23-23	AID-T-63-112
N63-22888	23-34	AID-P-63-113
N63-22889	23-07	AID-B-63-114
N63-22890	23-25	NASA-CR-51532
N63-22891	23-06	NASA-CR-51531
N63-22892	23-06	NASA-CR-51529
N63-22893	23-06	NASA-CR-51533
N63-22894	23-06	NASA-CR-51565
N63-22895	23-08	NASA-CR-51853
N63-22896	23-10	NASA-TM-X-50880
N63-22897	23-33	NASA-TN-D-1967
N63-22898	23-24	AFCRL-63-851
N63-22899	23-04	AFCRL-63-885
N63-22900		ACC. NO. NOT USED
N63-22901	23-16	AMRL-TDR-63-77
N63-22902	23-24	ASD-TDR-63-37
N63-22903	23-18	ASD-TDR-63-798
N63-22904	23-18	BMI-1649
N63-22905	23-14	JPRS-21522
N63-22906	23-18	JPRS-21406
N63-22907	23-07	LA-2923
N63-22908	23-06	LAMS-2948
N63-22909	23-20	LAMS-2954
N63-22910	23-09	LA-2957
N63-22911	23-25	ML-1060
N63-22912	23-25	ML-1057
N63-22913	23-24	NUP-63-12
N63-22914	23-03	TRECOM-TR-63-34
N63-22915	23-11	TRECOM-TR-63-38
N63-22916	23-16	UR-610
N63-22917	23-16	UR-631
N63-22918	23-06	MR-25090
N63-22919	23-23	NO REPORT NUMBER
N63-22920	23-08	AFCRL-63-344
N63-22921	23-08	IA-102
N63-22922	23-33	AMRA-TR-63-21

N63-22923 23-09 ..... NO REPORT NUMBER
N63-22924 23-24 ..... CARDE-TR-466
N63-22925 23-23 ..... LNF-63/62
N63-22926 23-14 ..... ESD-TDR-63-546
N63-22927 23-15 ..... GDR-63040
N63-22928 23-14 ..... JPRS-21376
N63-22929 23-12 ..... NASA-CR-51722
N63-22930 23-25 ..... NASA-RP-34
N63-22931 23-29 ..... NASA-RP-38
N63-22932 23-16 ..... JPRS-21479
N63-22933 23-27 ..... RF-TR-63-19
N63-22934 23-19 ..... RR-TR-63-18
N63-22935 23-18 ..... REIC-29
N63-22936 ..... ACC. NO. NOT USED
N63-22937 23-10 ..... SM-42632
N63-22938 23-22 ..... SM-42820
N63-22939 23-29 ..... SM-42977
N63-22940 23-24 ..... SSD-TDR-63-193
N63-22941 23-09 ..... NO REPORT NUMBER
N63-22942 23-09 ..... TI-08-63-62
N63-22943 23-09 ..... TI-08-63-102
N63-22944 23-03 ..... NASA-TN-D-2014
N63-22945 23-02 ..... NASA-TN-D-2026
N63-22946 23-02 ..... NASA-TN-D-2029
N63-22947 23-03 ..... NASA-TN-D-2030
N63-22948 23-02 ..... NASA-TT-F-129
N63-22949 23-23 ..... NASA-TT-F-180
N63-22950 23-05 ..... NASA-RP-105
N63-22951 23-05 ..... NASA-RP-108
N63-22952 23-05 ..... NASA-RP-109
N63-22953 23-12 ..... NASA-RP-112
N63-22954 23-17 ..... AEDC-TDR-63-154
N63-22955 23-11 ..... AEDC-TDR-63-199
N63-22956 23-11 ..... AEDC-TDR-63-207
N63-22957 23-09 ..... AFCRL-63-156
N63-22958 23-09 ..... AFCRL-63-349
N63-22959 23-09 ..... NO REPORT NUMBER
N63-22960 23-04 ..... FDCC-TM-63-2
N63-22961 23-17 ..... FA-M64-4-1
N63-22962 23-10 ..... NO REPORT NUMBER
N63-22963 ..... ACC. NO. NOT USED
N63-22964 23-19 ..... HW-75148
N63-22965 23-08 ..... JPRS-21329
N63-22966 23-18 ..... JPRS-21437
N63-22967 23-23 ..... NO REPORT NUMBER
N63-22968 23-23 ..... LNF-63/61
N63-22969 23-23 ..... LNF-62/105
N63-22970 23-25 ..... NO REPORT NUMBER
N63-22971 23-23 ..... NAA-SR-8490
N63-22972 23-23 ..... ONR-TR-63
N63-22973 23-11 ..... NO REPORT NUMBER
N63-22974 23-11 ..... AROD-2303-2
N63-22975 23-11 ..... AROD-2303-3
N63-22976 23-25 ..... J046-4
N63-22977 23-19 ..... PA-TM-1250
N63-22978 23-08 ..... RADC-TDR-63-58
N63-22979 23-21 ..... CRREL-124
N63-22980 23-16 ..... SAM-TDR-63-36
N63-22981 23-16 ..... SAM-TDR-63-39
N63-22982 23-25 ..... NO REPORT NUMBER
N63-22983 23-29 ..... VL-2244-19-0
N63-22984 23-09 ..... PIBMRI-1151-63/A
N63-22985 23-24 ..... AFCRL-63-723
N63-22986 23-23 ..... AFCRL-63-731
N63-22987 23-23 ..... AFCRL-63-890
N63-22988 23-07 ..... ANL-6684
N63-22989 23-11 ..... ANL-6755
N63-22990 23-03 ..... ARL-63-168
N63-22991 23-23 ..... HW-77871
N63-22992 23-07 ..... IS-618
N63-22993 23-08 ..... LMSC-5-10-63-26
N63-22994 23-23 ..... NO REPORT NUMBER
N63-22995 23-23 ..... NO REPORT NUMBER
N63-22996 23-23 ..... NO REPORT NUMBER
N63-22997 23-24 ..... MATT-203
N63-22998 23-02 ..... NO REPORT NUMBER
N63-22999 23-24 ..... ML-1055
N63-23000 23-08 ..... RAE-TRANS-1042
N63-23001 24-20 ..... RADC-RAU-TM-63-6
N63-23002 24-17 ..... RIA-63-2808
N63-23003 24-18 ..... WAL-TR-766.2/1-10
N63-23004 24-20 ..... NO REPORT NUMBER
N63-23005 24-16 ..... JPRS-21280
N63-23006 24-19 ..... NASA-CR-51750
N63-23007 24-25 ..... NASA-CR-51742
N63-23008 24-11 ..... NASA-CR-51850
N63-23009 24-11 ..... NASA-CR-51985
N63-23010 24-16 ..... NASA-CR-50501
N63-23011 24-07 ..... NASA-CR-51999
N63-23012 24-10 ..... NASA-CR-51851
N63-23013 24-32 ..... NASA-TM-X-50910
N63-23014 24-18 ..... NASA-TM-X-50924
N63-23015 24-23 ..... NASA-CR-51997
N63-23016 24-32 ..... NASA-TM-X-50613
N63-23017 24-16 ..... NASA-CR-51998
N63-23018 24-25 ..... AID-T-63-106
N63-23019 24-30 ..... NASA-CR-51743
N63-23020 24-29 ..... NASA-TM-X-50963
N63-23021 24-05 ..... NASA-CR-52021
N63-23022 24-05 ..... NASA-TM-X-50841
N63-23023 24-32 ..... NASA-CR-51303
N63-23024 24-12 ..... NASA-TM-X-50956
N63-23025 24-26 ..... NASA-TM-X-51978
N63-23026 24-14 ..... NASA-TM-X-50889
N63-23027 24-30 ..... NASA-TM-X-50805
N63-23028 24-18 ..... NASA-TM-X-50837
N63-23029 24-32 ..... NASA-CR-51681
N63-23030 24-09 ..... NASA-TM-X-50813
N63-23031 24-15 ..... NASA-TM-X-50814
N63-23032 24-19 ..... NASA-TM-X-50836
N63-23033 24-02 ..... NASA-CR-51730
N63-23034 24-06 ..... NASA-TM-X-50853
N63-23035 24-29 ..... NASA-CR-51538
N63-23036 24-29 ..... NASA-TM-X-50782
N63-23037 24-18 ..... NASA-CR-51597
N63-23038 24-20 ..... NASA-TM-X-50729
N63-23039 24-24 ..... NASA-TM-X-50932
N63-23040 24-13 ..... NASA-TM-X-50852
N63-23041 24-26 ..... NASA-CR-51656
N63-23042 24-09 ..... NASA-CR-51587
N63-23043 24-23 ..... NASA-CR-51586
N63-23044 24-06 ..... NASA-CR-51737
N63-23045 24-07 ..... NASA-CR-51727
N63-23046 24-26 ..... NASA-CR-51013
N63-23047 24-16 ..... SID-63-284
N63-23048 24-29 ..... JPL-TR-32-454
N63-23049 24-15 ..... CERN-63-25
N63-23050 24-02 ..... NASA-CR-52015
N63-23051 24-17 ..... I-A-2049-20
N63-23052 24-23 ..... NO REPORT NUMBER
N63-23053 24-25 ..... JPRS-21051
N63-23054 24-15 ..... NO REPORT NUMBER
N63-23055 24-20 ..... NO REPORT NUMBER
N63-23056 24-19 ..... AROD-3263-7
N63-23057 24-19 ..... NO REPORT NUMBER
N63-23058 24-09 ..... ACL-MEMO-78
N63-23059 24-11 ..... AFCRL-63-322
N63-23060 24-28 ..... NASA-RP-106
N63-23061 24-25 ..... NO REPORT NUMBER
N63-23062 24-24 ..... R-52
N63-23063 24-24 ..... USCEC-96-101
N63-23064 24-07 ..... NO REPORT NUMBER
N63-23065 24-23 ..... AIAA PAPER-63-391
N63-23066 24-21 ..... AWS-TR-171
N63-23067 ..... ACC. NO. NOT USED
N63-23068 24-15 ..... NO REPORT NUMBER
N63-23069 24-17 ..... NO REPORT NUMBER
N63-23070 24-23 ..... NO REPORT NUMBER
N63-23071 24-01 ..... NASA-CR-51798
N63-23072 24-09 ..... NEL-1175
N63-23073 24-08 ..... TIL/T-5376
N63-23074 24-01 ..... NO REPORT NUMBER
N63-23075 24-23 ..... NO REPORT NUMBER
N63-23076 24-13 ..... FTD-TT-62-50/1&2&4
N63-23077 24-29 ..... NO REPORT NUMBER
N63-23078 24-07 ..... B2130-T-1
N63-23079 24-21 ..... AWS-TR-170
N63-23080 24-11 ..... NO REPORT NUMBER
N63-23081 24-19 ..... ONR-TR-RLT-64
N63-23082 24-24 ..... APP-4
N63-23083 24-23 ..... NO REPORT NUMBER
N63-23084 24-25 ..... NO REPORT NUMBER
N63-23085 24-20 ..... NO REPORT NUMBER
N63-23086 24-11 ..... NO REPORT NUMBER
N63-23087 24-12 ..... AFCRL-63-850
N63-23088 24-16 ..... ASD-TDR-63-866
N63-23089 24-23 ..... AEET-NP-6
N63-23090 24-24 ..... MATT-210
N63-23091 24-22 ..... AIAA PAPER-63-151
N63-23092 24-12 ..... AFCRL-63-702
N63-23093 24-12 ..... AFCRL-63-714
N63-23094 24-24 ..... MATT-197
N63-23095 24-24 ..... MATT-200
N63-23096 24-11 .. AVCO-EVERETT RES. REPT.-163
N63-23097 24-07 ..... AMP-119
N63-23098 24-07 ..... ORNL-3482
N63-23099 24-17 ..... ORNL-3511
N63-23100 24-09 ..... USCEC-65-54
N63-23101 24-02 ..... USCEC-65-55
N63-23102 24-02 ..... USCEC-65-56

N63-23103	24-10	USCEC-65-57
N63-23104	24-23	ARL-63-140
N63-23105	24-19	ARL-63-170
N63-23106	24-09	R-407
N63-23107	24-18	AEET-CD-15
N63-23108	24-01	NO REPORT NUMBER
N63-23109	24-09	RADC-TDR-63-16
N63-23110	24-08	AFCRL-63-109
N63-23111	24-18	DMIC-185
N63-23112	24-18	ASD-TDR-63-567
N63-23113	24-12	AFCRL-63-872
N63-23114	24-25	NO REPORT NUMBER
N63-23115	24-07	PA-TR-3089
N63-23116	24-09	TI-08-63-20
N63-23117	24-16	DP-861
N63-23118	24-09	TR62-254.3
N63-23119	24-23	NO REPORT NUMBER
N63-23120	24-05	AFCRL-63-733
N63-23121	24-08	S-74-R-29
N63-23122	24-24	NASA-TN-D-1111
N63-23123	24-31	NASA-TN-D-1683
N63-23124	24-29	NASA-TN-D-1839
N63-23125	24-04	NASA-TN-D-1968
N63-23126	24-34	NASA-TN-D-2125
N63-23127	24-12	NO REPORT NUMBER
N63-23128	24-29	ERR-AN-167
N63-23129	24-24	ARL-63-145
N63-23130	24-33	ERR-AN-080
N63-23131	24-08	IIT-RI-5177-FR
N63-23132	24-13	ASD-TDR-63-530
N63-23133	24-33	CU-3-63-ONR-266/34/-CE
N63-23134	24-11	XAR-A-45
N63-23135	24-04	DTMB-AERO-1058
N63-23136	24-15	GA-4497
N63-23137	24-08	ASD-TDR-63-845
N63-23138	24-04	NO REPORT NUMBER
N63-23139	24-18	JPRS-21459
N63-23140	24-12	JPRS-21493
N63-23141	24-07	JPRS-21519
N63-23142	24-12	JPRS-21531
N63-23143	24-11	TR-1165
N63-23144	24-09	RM-3874-PR
N63-23145	24-23	AECL-1782
N63-23146	24-08	NO REPORT NUMBER
N63-23147	24-07	AEET-DC-14
N63-23148	24-23	AEET-TP-3
N63-23149	24-29	RM-3793-PR
N63-23150	24-33	RSIC-69
N63-23151	24-27	NO REPORT NUMBER
N63-23152	24-20	ABL/X-86
N63-23153	24-04	NO REPORT NUMBER
N63-23154	24-08	NRL-5867
N63-23155	24-21	NRL-5966
N63-23156	24-25	MATT-182
N63-23157	24-32	NO REPORT NUMBER
N63-23158	24-08	AMRL-MEMO-P-39
N63-23159	24-08	AMRL-MEMO-P-35
N63-23160	24-24	NO REPORT NUMBER
N63-23161	24-23	ANL-6720
N63-23162	24-23	ANL-6767
N63-23163	24-28	NO REPORT NUMBER
N63-23164	24-05	NASA-RP-113
N63-23165	24-18	NO REPORT NUMBER
N63-23166	24-28	NO REPORT NUMBER
N63-23167	24-25	AROD-3323-3
N63-23168	24-04	AFCRL-63-841
N63-23169	24-08	SAD-128
N63-23170	24-17	NRL-5929
N63-23171	24-27	NO REPORT NUMBER
N63-23172	24-01	AMRL-MEMO-P-43
N63-23173	24-23	RC-928
N63-23174	24-09	BB-318
N63-23175	24-24	NO REPORT NUMBER
N63-23176	24-12	TID-7024
N63-23177	24-18	BNL-825/PR-4/
N63-23178	24-24	NO REPORT NUMBER
N63-23179	24-25	AFCRL-63-363
N63-23180	24-16	USNRDL-TR-668
N63-23181	24-27	USNRDL-TR-669
N63-23182	24-04	SM-41833
N63-23183	24-11	PIBAL-787
N63-23184	24-09	ESD-TDR-63-607
N63-23185	24-13	AIAA PAPER 63-450
N63-23186	24-13	FTD-TT-61-36/1&2&4
N63-23187	24-16	FTD-TT-63-641/1&2&4
N63-23188	24-02	FTD-TT-63-739/1&2
N63-23189	24-14	FTD-TT-63-791/1&2
N63-23190	24-30	SPDIR-28
N63-23191	24-30	NO REPORT NUMBER
N63-23192	24-20	EUR-347.F
N63-23193	24-23	LNF-63/47
N63-23194	24-23	LNF-63/54
N63-23195	24-23	LNF-63/46
N63-23196	24-15	LNF-63/50
N63-23197	24-08	LNF-63/53
N63-23198	24-23	LNF-63/55
N63-23199	24-02	NO REPORT NUMBER
N63-23200	24-14	AGARDOGRAPH-73
N63-23201	24-01	NO REPORT NUMBER
N63-23202	24-32	NO REPORT NUMBER
N63-23203	24-32	NO REPORT NUMBER
N63-23204	24-32	NO REPORT NUMBER
N63-23205	24-32	NO REPORT NUMBER
N63-23206	24-32	NO REPORT NUMBER
N63-23207	24-32	NO REPORT NUMBER
N63-23208	24-32	NO REPORT NUMBER
N63-23209	24-32	NO REPORT NUMBER
N63-23210	24-30	NO REPORT NUMBER
N63-23211	24-33	NO REPORT NUMBER
N63-23212	24-27	NO REPORT NUMBER
N63-23213	24-30	NO REPORT NUMBER
N63-23214	24-32	NO REPORT NUMBER
N63-23215	24-14	NO REPORT NUMBER
N63-23216	24-30	NO REPORT NUMBER
N63-23217	24-14	NO REPORT NUMBER
N63-23218	24-28	NO REPORT NUMBER
N63-23219	24-22	NO REPORT NUMBER
N63-23220	24-29	NO REPORT NUMBER
N63-23221	24-22	NO REPORT NUMBER
N63-23222	24-02	NO REPORT NUMBER
N63-23223	24-02	NO REPORT NUMBER
N63-23224	24-30	NO REPORT NUMBER
N63-23225	24-28	NO REPORT NUMBER
N63-23226	24-14	NO REPORT NUMBER
N63-23227	24-32	NO REPORT NUMBER
N63-23228	24-32	NO REPORT NUMBER
N63-23229	24-30	NO REPORT NUMBER
N63-23230	24-32	NO REPORT NUMBER
N63-23231	24-30	NO REPORT NUMBER
N63-23232	24-32	NO REPORT NUMBER
N63-23233	24-30	NO REPORT NUMBER
N63-23234	24-19	NO REPORT NUMBER
N63-23235	24-01	NO REPORT NUMBER
N63-23236	24-02	NO REPORT NUMBER
N63-23237	24-04	NO REPORT NUMBER
N63-23238	24-01	NO REPORT NUMBER
N63-23239	24-16	NO REPORT NUMBER
N63-23240	24-27	NO REPORT NUMBER
N63-23241	24-30	NO REPORT NUMBER
N63-23242	24-29	NO REPORT NUMBER
N63-23243	24-01	NO REPORT NUMBER
N63-23244	24-23	NO REPORT NUMBER
N63-23245	24-23	NO REPORT NUMBER
N63-23246	24-25	NO REPORT NUMBER
N63-23247	24-15	NO REPORT NUMBER
N63-23248	24-23	NO REPORT NUMBER
N63-23249	24-25	NO REPORT NUMBER
N63-23250	24-03	ARC-R&M-3312
N63-23251	24-14	NO REPORT NUMBER
N63-23252	24-14	NO REPORT NUMBER
N63-23253	24-14	NO REPORT NUMBER
N63-23254	24-14	NO REPORT NUMBER
N63-23255	24-14	NO REPORT NUMBER
N63-23256	24-14	NO REPORT NUMBER
N63-23257	24-14	NO REPORT NUMBER
N63-23258	24-14	NO REPORT NUMBER
N63-23259	24-14	NO REPORT NUMBER
N63-23260	24-14	NO REPORT NUMBER
N63-23261	24-14	NO REPORT NUMBER
N63-23262	24-14	NO REPORT NUMBER
N63-23263	24-14	NO REPORT NUMBER
N63-23264	24-14	NO REPORT NUMBER
N63-23265	24-14	NO REPORT NUMBER
N63-23266	24-14	NO REPORT NUMBER
N63-23267	24-25	NO REPORT NUMBER
N63-23268	24-25	NO REPORT NUMBER
N63-23269	24-25	NO REPORT NUMBER
N63-23270	24-25	NO REPORT NUMBER
N63-23271	24-25	NO REPORT NUMBER
N63-23272	24-16	JPRS-14415
N63-23273	24-16	NO REPORT NUMBER
N63-23274	24-16	NO REPORT NUMBER
N63-23275	24-16	NO REPORT NUMBER
N63-23276	24-23	NO REPORT NUMBER
N63-23277	24-23	NO REPORT NUMBER
N63-23278	24-23	NO REPORT NUMBER
N63-23279	24-23	NO REPORT NUMBER
N63-23280	24-23	NO REPORT NUMBER
N63-23281	24-23	NO REPORT NUMBER
N63-23282	24-23	NO REPORT NUMBER

N63-23283	24-23	NO REPORT NUMBER
N63-23284	24-23	NO REPORT NUMBER
N63-23285	24-23	NO REPORT NUMBER
N63-23286	24-09	NO REPORT NUMBER
N63-23287	24-09	NO REPORT NUMBER
N63-23288	24-09	NO REPORT NUMBER
N63-23289	24-18	NO REPORT NUMBER
N63-23290	24-09	NO REPORT NUMBER
N63-23291	24-16	JPRS-21214
N63-23292	24-16	NO REPORT NUMBER
N63-23293	24-16	NO REPORT NUMBER
N63-23294	24-16	NO REPORT NUMBER
N63-23295	24-16	NO REPORT NUMBER
N63-23296	24-16	NO REPORT NUMBER
N63-23297	24-16	NO REPORT NUMBER
N63-23298	24-16	NO REPORT NUMBER
N63-23299	24-16	NO REPORT NUMBER
N63-23300	24-16	NO REPORT NUMBER
N63-23301	24-01	AFCRL-63-876
N63-23302	24-12	NO REPORT NUMBER
N63-23303	24-05	NO REPORT NUMBER
N63-23304	24-05	NO REPORT NUMBER
N63-23305	24-08	NO REPORT NUMBER
N63-23306	24-12	NO REPORT NUMBER
N63-23307	24-30	NO REPORT NUMBER
N63-23308	24-12	NO REPORT NUMBER
N63-23309	24-12	NO REPORT NUMBER
N63-23310	24-12	NO REPORT NUMBER
N63-23311	24-29	NO REPORT NUMBER
N63-23312	24-25	NO REPORT NUMBER
N63-23313	24-12	NO REPORT NUMBER
N63-23314	24-01	ASD-TDR-63-329
N63-23315	24-13	NO REPORT NUMBER
N63-23316	24-02	NO REPORT NUMBER
N63-23317	24-03	NO REPORT NUMBER
N63-23318	24-02	NO REPORT NUMBER
N63-23319	24-03	NO REPORT NUMBER
N63-23320	24-13	NO REPORT NUMBER
N63-23321	24-02	NO REPORT NUMBER
N63-23322	24-04	NO REPORT NUMBER
N63-23323	24-02	NO REPORT NUMBER
N63-23324	24-03	NO REPORT NUMBER
N63-23325	24-06	NO REPORT NUMBER
N63-23326	24-02	NO REPORT NUMBER
N63-23327	24-02	NO REPORT NUMBER
N63-23328	24-21	JPRS-21242
N63-23329	24-21	NO REPORT NUMBER
N63-23330	24-21	NO REPORT NUMBER
N63-23331	24-21	NO REPORT NUMBER
N63-23332	24-21	NO REPORT NUMBER
N63-23333	24-11	CARDE-TR-465
N63-23334	24-12	RM-3869-PR
N63-23335	24-12	NO REPORT NUMBER
N63-23336	24-12	NO REPORT NUMBER
N63-23337	24-12	NO REPORT NUMBER
N63-23338	24-14	SAM-TDR-63-27
N63-23339	24-16	SAM-TDR-63-67
N63-23340	24-05	NO REPORT NUMBER
N63-23341	24-29	SM-43544
N63-23342	24-13	K-1494
N63-23343	24-23	AVCO-EVERETT RES. REPT.-164
N63-23344	24-03	NLR-TN-V.1913
N63-23345	24-15	NO REPORT NUMBER
N63-23346	24-21	AFCRL-63-678
N63-23347	24-09	AFCRL-63-378
N63-23348	24-18	WANL-PR-M-006
N63-23349	24-33	NO REPORT NUMBER
N63-23350	24-08	NO REPORT NUMBER
N63-23351	24-18	RSIC-71
N63-23352	24-23	JPL-TR-32-409
N63-23353	24-01	SID-63-167
N63-23354	24-18	JPRS-21546
N63-23355	24-23	NO REPORT NUMBER
N63-23356	24-21	AFCRL-63-840
N63-23357	24-05	NO REPORT NUMBER
N63-23358	24-11	NASA-TR-R-145
N63-23359	24-32	NO REPORT NUMBER
N63-23360	24-13	NO REPORT NUMBER
N63-23361	24-33	DMIC-176
N63-23362	24-30	NASA-TN-D-1821
N63-23363	24-02	NASA-TN-D-2038
N63-23364	24-27	SSD-TDR-63-183-/IV/
N63-23365	24-13	ASD-TDR-63-802
N63-23366	24-12	AFCRL-63-384
N63-23367	24-13	NO REPORT NUMBER
N63-23368	24-13	NO REPORT NUMBER
N63-23369	24-23	D-709582
N63-23370	24-06	SSD-TDR-63-183-/III/
N63-23371	24-11	AERE-TRANS-915
N63-23372	24-16	SAM-TDR-63-47
N63-23373	24-23	NO REPORT NUMBER
N63-23374	24-23	GEMP-79
N63-23375	24-09	S-1015-2
N63-23376	24-25	NO REPORT NUMBER
N63-23377	24-08	FTD-TT-62-32/1&2
N63-23378	24-26	FTD-TT-62-1441/1&2&4
N63-23379	24-19	FTD-TT-62-1535-1&2&4
N63-23380	24-23	FTD-TT-62-1787/1&2
N63-23381	24-11	FTD-TT-63-71/1&2
N63-23382	24-07	FTD-TT-63-457/1
N63-23383	24-13	FTD-TT-63-460/1&2
N63-23384	24-06	FTD-TT-63-470/1&2&4
N63-23385	24-13	FTD-TT-63-572/1&2&4
N63-23386	24-15	FTD-TT-63-602/1&2
N63-23387	24-11	FTD-TT-63-617/1&2&4
N63-23388	24-02	FTD-TT-63-646/1&2
N63-23389	24-15	FTD-TT-63-683/1
N63-23390	24-18	FTD-TT-63-714/1&2
N63-23391	24-13	FTD-TT-63-726/1&2
N63-23392	24-03	FTD-TT-63-750/1&2
N63-23393	24-15	FTD-TT-63-797/1&2
N63-23394	24-26	FTD-TT-63-850/1&2
N63-23395	24-16	FTD-TT-63-866/1&2
N63-23396	24-06	FTD-TT-62-910/1&2
N63-23397	24-07	TIL/T.5342
N63-23398	24-23	NO REPORT NUMBER
N63-23399	24-23	NO REPORT NUMBER
N63-23400	24-24	AIAA PAPER 63-387
N63-23401	24-24	NO REPORT NUMBER
N63-23402	24-28	NO REPORT NUMBER
N63-23403	24-23	NO REPORT NUMBER
N63-23404	24-15	NO REPORT NUMBER
N63-23405	24-09	AFCRL-63-382
N63-23406	24-18	GEMP-27A
N63-23407	24-18	ASD-TDR-63-753, PT. I
N63-23408	24-24	NO REPORT NUMBER
N63-23409	24-24	NO REPORT NUMBER
N63-23410	24-11	NO REPORT NUMBER
N63-23411	24-20	NO REPORT NUMBER
N63-23412	24-01	NO REPORT NUMBER
N63-23413	24-32	NO REPORT NUMBER
N63-23414	24-32	NO REPORT NUMBER
N63-23415	24-12	NO REPORT NUMBER
N63-23416	24-12	NO REPORT NUMBER
N63-23417	24-22	AFCRL-63-879
N63-23418	24-26	NO REPORT NUMBER
N63-23419	24-09	NO REPORT NUMBER
N63-23420	24-16	SID-63-200
N63-23421	24-01	NO REPORT NUMBER
N63-23422	24-13	NO REPORT NUMBER
N63-23423	24-02	NO REPORT NUMBER
N63-23424	24-02	R-71
N63-23425	24-19	NO REPORT NUMBER
N63-23426	24-20	NO REPORT NUMBER
N63-23427	24-02	ASD-TDR-63-46
N63-23428	24-33	PIBAL-672
N63-23429	24-23	NO REPORT NUMBER
N63-23430	24-21	ERDA-72
N63-23431	24-08	NBS-TN-184
N63-23432	24-19	R63FL9
N63-23433	24-09	AVCO-EVERETT RES. REPT.-165
N63-23434	24-24	TDR-169/3153-20/TN-1
N63-23435	24-11	AROD-3227-1
N63-23436	24-01	NO REPORT NUMBER
N63-23437	24-01	NO REPORT NUMBER
N63-23438	24-21	NO REPORT NUMBER
N63-23439	24-08	NO REPORT NUMBER
N63-23440	24-29	NO REPORT NUMBER
N63-23441	24-12	NO REPORT NUMBER
N63-23442	24-12	NO REPORT NUMBER
N63-23443	24-12	NO REPORT NUMBER
N63-23444	24-21	NO REPORT NUMBER
N63-23445	24-12	NO REPORT NUMBER
N63-23446	24-29	NO REPORT NUMBER
N63-23447	24-28	NO REPORT NUMBER
N63-23448	24-29	NO REPORT NUMBER
N63-23449	24-29	NO REPORT NUMBER
N63-23450	24-29	NO REPORT NUMBER
N63-23451	24-05	NO REPORT NUMBER
N63-23452	24-32	NO REPORT NUMBER
N63-23453	24-16	NO REPORT NUMBER
N63-23454	24-16	NO REPORT NUMBER
N63-23455	24-09	NO REPORT NUMBER
N63-23456	24-09	NO REPORT NUMBER
N63-23457	24-09	NO REPORT NUMBER
N63-23458	24-09	NO REPORT NUMBER
N63-23459	24-09	NO REPORT NUMBER
N63-23460	24-23	ISS-63-29
N63-23461	24-23	NO REPORT NUMBER
N63-23462	24-23	NO REPORT NUMBER

N63-23463 24-23 ..... NO REPORT NUMBER
N63-23464 24-23 ..... NO REPORT NUMBER
N63-23465 24-23 ..... ISS-63-30
N63-23466 24-23 ..... NO REPORT NUMBER
N63-23467 24-25 ..... NO REPORT NUMBER
N63-23468 24-23 ..... NO REPORT NUMBER
N63-23469 24-33 ..... SPDIR-26, SUPPL. I
N63-23470 24-18 ..... NO REPORT NUMBER
N63-23471 24-24 ..... ARL-63-151
N63-23472 24-24 ..... NO REPORT NUMBER
N63-23473 24-24 ..... NO REPORT NUMBER
N63-23474 24-24 ..... NO REPORT NUMBER
N63-23475 24-24 ..... NO REPORT NUMBER
N63-23476 24-24 ..... NO REPORT NUMBER
N63-23477 24-24 ..... NO REPORT NUMBER
N63-23478 24-24 ..... NO REPORT NUMBER
N63-23479 24-24 ..... NO REPORT NUMBER
N63-23480 24-24 ..... NO REPORT NUMBER
N63-23481 24-24 ..... NO REPORT NUMBER
N63-23482 24-24 ..... NO REPORT NUMBER
N63-23483 24-24 ..... NO REPORT NUMBER
N63-23484 24-13 ..... NO REPORT NUMBER
N63-23485 24-13 ..... NO REPORT NUMBER
N63-23486 24-24 ..... NO REPORT NUMBER
N63-23487 24-24 ..... NO REPORT NUMBER
N63-23488 24-24 ..... NO REPORT NUMBER
N63-23489 24-24 ..... NO REPORT NUMBER
N63-23490 24-24 ..... NO REPORT NUMBER
N63-23491 24-24 ..... NO REPORT NUMBER
N63-23492 24-16 ..... JPRS-21712
N63-23493 24-09 ..... BRL-TN-1511
N63-23494 24-18 ..... NO REPORT NUMBER
N63-23495 24-23 ..... RR-463-8
N63-23496 24-19 ..... NO REPORT NUMBER
N63-23497 24-23 ..... NO REPORT NUMBER
N63-23498 24-07 ..... NO REPORT NUMBER
N63-23499 24-23 ..... RR-463-9
N63-23500 24-19 ..... NO REPORT NUMBER
N63-23501 24-13 ..... NASA-CR-52134
N63-23502 24-23 ..... AEDC-TDR-63-239
N63-23503 24-19 ..... NO REPORT NUMBER
N63-23504 ..... ACC. NO. NOT USED
N63-23505 24-11 ..... NO REPORT NUMBER
N63-23506 24-16 ..... AID-P-63-42
N63-23507 24-09 ..... NASA-CR-51994
N63-23508 24-23 ..... RSIC-48
N63-23509 24-18 ..... RSIC-81
N63-23510 24-13 ..... PIBAL-797
N63-23511 24-11 ..... NASA-CR-52070
N63-23512 24-23 ..... NO REPORT NUMBER
N63-23513 24-24 ..... NO REPORT NUMBER
N63-23514 24-16 ..... SAM-TDR-63-65
N63-23515 24-09 ..... NO REPORT NUMBER
N63-23516 24-24 ..... NO REPORT NUMBER
N63-23517 24-18 ..... NO REPORT NUMBER
N63-23518 24-09 ..... NO REPORT NUMBER
N63-23519 24-18 ..... NAA-SR-8507
N63-23520 24-13 ..... EUR-227.E
N63-23521 24-16 ..... NO REPORT NUMBER
N63-23522 24-15 ..... NASA-CR-51542
N63-23523 24-32 ..... AID-62-191
N63-23524 24-29 ..... NO REPORT NUMBER
N63-23525 24-19 ..... NAA-SR-8361
N63-23526 24-25 ..... NO REPORT NUMBER
N63-23527 24-25 ..... NO REPORT NUMBER
N63-23528 24-25 ..... NO REPORT NUMBER
N63-23529 24-25 ..... NO REPORT NUMBER
N63-23530 24-16 ..... NASA-CR-51643
N63-23531 24-16 ..... NO REPORT NUMBER
N63-23532 24-16 ..... NO REPORT NUMBER
N63-23533 24-16 ..... NO REPORT NUMBER
N63-23534 24-16 ..... NO REPORT NUMBER
N63-23535 24-16 ..... NO REPORT NUMBER
N63-23536 24-16 ..... NO REPORT NUMBER
N63-23537 24-16 ..... NO REPORT NUMBER
N63-23538 24-16 ..... NO REPORT NUMBER
N63-23539 24-01 ..... NO REPORT NUMBER
N63-23540 24-12 ..... NO REPORT NUMBER
N63-23541 24-12 ..... NO REPORT NUMBER
N63-23542 24-23 ..... NO REPORT NUMBER
N63-23543 24-16 ..... NO REPORT NUMBER
N63-23544 24-25 ..... NO REPORT NUMBER
N63-23545 24-25 ..... NO REPORT NUMBER
N63-23546 24-25 ..... NO REPORT NUMBER
N63-23547 24-01 ..... JPRS-21412
N63-23548 24-21 ..... NO REPORT NUMBER
N63-23549 24-12 ..... NO REPORT NUMBER
N63-23550 24-25 ..... NO REPORT NUMBER
N63-23551 24-09 ..... NO REPORT NUMBER
N63-23552 24-19 ..... MAB-195-M
N63-23553 24-20 ..... JPRS-21006
N63-23554 24-30 ..... TDR-269/4130-10/-5
N63-23555 24-33 ..... DF-12-111
N63-23556 24-25 ..... TRG-134-QTR-5
N63-23557 24-27 ..... SSD-TDR-63-278
N63-23558 24-27 ..... NASA-CR-52081
N63-23559 24-17 ..... GER-11154B
N63-23560 24-21 ..... ERDA-75
N63-23561 24-20 ..... ESD-TDR-63-349
N63-23562 24-23 ..... NO REPORT NUMBER
N63-23563 24-16 ..... NO REPORT NUMBER
N63-23564 24-27 ..... UVA-3-R
N63-23565 24-24 ..... NO REPORT NUMBER
N63-23566 24-09 ..... ERDA-76
N63-23567 24-07 ..... ORNL-3488
N63-23568 24-07 ..... ORNL-3497
N63-23569 24-21 ..... PNE-304
N63-23570 24-23 ..... ANL-6745
N63-23571 24-07 ..... ANL-6766
N63-23572 24-12 ..... NO REPORT NUMBER
N63-23573 24-11 ..... R63SD66
N63-23574 24-26 ..... AMRL-TDR-63-75
N63-23575 24-09 ..... NO REPORT NUMBER
N63-23576 24-08 ..... TDR-269/4111/-1
N63-23577 24-23 ..... NO REPORT NUMBER
N63-23578 24-09 ..... PIBMRI-1175-63
N63-23579 24-20 ..... RADC-TDR-63-378
N63-23580 24-19 ..... GEMP-243
N63-23581 24-08 ..... AFCRL-63-383
N63-23582 24-26 ..... AMRL-MEMO-M-26
N63-23583 24-32 ..... NO REPORT NUMBER
N63-23584 24-18 ..... NO REPORT NUMBER
N63-23585 24-33 ..... SWC-TDR-62-91
N63-23586 ..... ACC. NO. NOT USED
N63-23587 24-18 ..... NO REPORT NUMBER
N63-23588 24-01 ..... NO REPORT NUMBER
N63-23589 24-24 ..... VIDYA-101
N63-23590 24-25 ..... NOLTR-63-151
N63-23591 24-18 ..... NO REPORT NUMBER
N63-23592 24-06 ..... SID-63-1186
N63-23593 24-20 ..... NO REPORT NUMBER
N63-23594 24-07 ..... NO REPORT NUMBER
N63-23595 24-09 ..... AFCRL-62-706
N63-23596 24-02 ..... NO REPORT NUMBER
N63-23597 24-13 ..... NO REPORT NUMBER
N63-23598 24-24 ..... NO REPORT NUMBER
N63-23599 24-16 ..... NO REPORT NUMBER
N63-23600 24-01 ..... NO REPORT NUMBER
N63-23601 24-08 ..... NASA-CR-52150
N63-23602 24-26 ..... NASA-CR-52069
N63-23603 24-23 ..... NO REPORT NUMBER
N63-23604 24-21 ..... JPRS-21495
N63-23605 24-11 ..... JPRS-21398
N63-23606 24-09 ..... JPRS-21550
N63-23607 24-16 ..... JPRS-21605
N63-23608 24-18 ..... JPRS-21676
N63-23609 24-16 ..... NO REPORT NUMBER
N63-23610 24-20 ..... NOLTR-63-171
N63-23611 24-11 ..... AEDC-TDR-63-197
N63-23612 24-15 ..... GER-11184
N63-23613 24-07 ..... BM-RI-6314
N63-23614 24-23 ..... NO REPORT NUMBER
N63-23615 24-13 ..... SRB-63-1
N63-23616 24-16 ..... NASA-CR-52082
N63-23617 24-02 ..... RG-TR-63-27
N63-23618 24-19 ..... BM-RI-6313
N63-23619 24-07 ..... NASA-CR-52016
N63-23620 24-29 ..... NO REPORT NUMBER
N63-23621 24-19 ..... RDR-1343-4
N63-23622 24-04 ..... GDC-62-370
N63-23623 24-04 ..... TRECOM-TR-63-42
N63-23624 24-09 ..... ASD-TDR-63-205
N63-23625 24-23 ..... NO REPORT NUMBER
N63-23626 ..... ACC. NO. NOT USED
N63-23627 24-12 ..... AFCRL-62-705
N63-23628 24-33 ..... NO REPORT NUMBER
N63-23629 24-19 ..... NO REPORT NUMBER
N63-23630 24-18 ..... NO REPORT NUMBER
N63-23631 24-05 ..... FTD-TT-62-1428/,&2
N63-23632 24-05 ..... FTD-TT-62-1465/1&2&4
N63-23633 24-15 ..... FTD-TT-62-1495/1&2
N63-23634 24-13 ..... FTD-TT-62-974/1&2&4
N63-23635 24-28 ..... FTD-TT-62-1380/1&2&4
N63-23636 24-23 ..... FTD-TT-62-1509/1&2
N63-23637 24-15 ..... FTD-TT-62-1510/1&2
N63-23638 24-13 ..... FTD-TT-62-1613/1
N63-23639 24-24 ..... FTD-TT-63-208/1&2&4
N63-23640 24-09 ..... FTD-TT-63-377/1&2
N63-23641 24-09 ..... FTD-TT-63-379/1&2
N63-23642 24-09 ..... FTD-TT-63-476/1&2&4

N63-23643 24-09 ..... FTD-TT-63-447/1&2
N63-23644 24-07 ..... AFCRL-63-800
N63-23645 24-11 ..... ARD-TR-013-01
N63-23646 24-34 ..... NO REPORT NUMBER
N63-23647 24-08 ..... RADC-TDR-63-380
N63-23648 24-19 ..... NAA-SR-8403
N63-23649 24-06 ..... NASA-CR-52185
N63-23650 24-09 ..... NASA-CR-52239
N63-23651 24-08 ..... NASA-CR-52200
N63-23652 24-30 ..... NASA-TN-D-2017
N63-23653 24-24 ..... NASA-TN-D-2226
N63-23654 24-10 ..... NASA-CR-52252
N63-23655 24-32 ..... NASA-CR-52254
N63-23656 24-02 ..... NASA-CR-52188
N63-23657 24-21 ..... NSSP-18
N63-23658 24-14 ..... NO REPORT NUMBER
N63-23659 24-28 ..... SEL-62-149/SUP/
N63-23660 24-11 ..... SR-4-2
N63-23661 24-09 ..... RADC-RAS-TM-63-5
N63-23662 24-19 ..... SSD-TDR-63-191
N63-23663 24-18 ..... ASD-TDR-63-789
N63-23664 24-28 ..... NO REPORT NUMBER
N63-23665 24-18 ..... NO REPORT NUMBER
N63-23666 24-02 ..... AEDC-TDR-63-224
N63-23667 24-15 ..... AFCRL-63-887
N63-23668 24-02 ..... ER-1115-21
N63-23669 24-02 ..... ER-1115-25
N63-23670 24-07 ..... UCRL-10848
N63-23671 ..... ACC. NO. NOT USED
N63-23672 24-11 ..... NASA-CR-52148
N63-23673 24-23 ..... LAMS-2960
N63-23674 24-23 ..... AAE-63-2
N63-23675 24-30 ..... NO REPORT NUMBER
N63-23676 24-23 ..... NASA-TN-D-1738
N63-23677 24-26 ..... NASA-TN-D-1831
N63-23678 24-12 ..... NASA-TN-D-1913
N63-23679 24-21 ..... NASA-TN-D-1915
N63-23680 24-23 ..... NASA-TN-D-1987
N63-23681 24-02 ..... NASA-TN-D-2009
N63-23682 24-02 ..... NASA-TN-D-2022
N63-23683 24-23 ..... NASA-TN-D-2070
N63-23684 24-02 ..... NASA-TN-D-2075
N63-23685 24-22 ..... NASA-TN-D-2094
N63-23686 24-02 ..... NASA-TR-R-182
N63-23687 24-33 ..... NO REPORT NUMBER
N63-23688 24-12 ..... ES-8
N63-23689 24-02 ..... SUDAER-160
N63-23690 24-09 ..... NO REPORT NUMBER
N63-23691 24-23 ..... LMSC-A384055
N63-23692 24-23 ..... ASD-TDR-63-707
N63-23693 24-23 ..... ASD-TDR-63-723
N63-23694 24-29 ..... LMSC-A303606
N63-23695 24-12 ..... JPRS-21670
N63-23696 24-21 ..... JPRS-21691
N63-23697 24-33 ..... BRL-MEMO-1498
N63-23698 24-09 ..... RG-TR-63-14
N63-23699 24-04 ..... RT-TR-63-6
N63-23700 24-23 ..... NO REPORT NUMBER
N63-23701 24-08 ..... AFCRL-63-332
N63-23702 24-06 ..... RTD-TDR-63-4029
N63-23703 24-06 ..... AEDC-TDR-63-231
N63-23704 24-23 ..... R63-44
N63-23705 24-08 ..... PAD-72
N63-23706 24-23 ..... UCRL-10731
N63-23707 24-32 ..... LS-BIB-63-1
N63-23708 24-29 ..... NASA-TN-D-1906
N63-23709 24-02 ..... NO REPORT NUMBER
N63-23710 24-01 ..... BMI-1639/DEL./
N63-23711 24-21 ..... AFCRL-63-732
N63-23712 24-23 ..... UCRL-10965
N63-23713 24-17 ..... AL63T016
N63-23714 24-13 ..... BM-RI-6316
N63-23715 24-13 ..... NASA-SP-3001
N63-23716 24-18 ..... RSIC-78
N63-23717 24-23 ..... RSIC-79
N63-23718 24-18 ..... RSIC-80
N63-23719 24-13 ..... CCL-146
N63-23720 24-04 ..... TDR-269/4230-30/-1
N63-23721 24-16 ..... JPRS-21448
N63-23722 24-02 ..... RTD-TDR-63-1060
N63-23723 24-15 ..... FTD-TT-62-744/1&2&4
N63-23724 24-25 ..... FTD-TT-62-851/1&2&4
N63-23725 24-05 ..... FTD-TT-62-1090/1&2
N63-23726 24-23 ..... FTD-TT-62-1227/1&3&4
N63-23727 24-29 ..... FTD-TT-62-1430/1&2
N63-23728 24-10 ..... FTD-TT-62-1476/1&2
N63-23729 24-30 ..... FTD-TT-62-1478/1&2&3&4
N63-23730 24-19 ..... FTD-TT-62-1539/1&2&4
N63-23731 24-30 ..... FTD-TT-62-1580/1&2&4
N63-23732 24-19 ..... FTD-TT-1763/1&2
N63-23733 24-19 ..... FTD-TT-62-1765/1&2
N63-23734 24-24 ..... FTD-TT-63-182/1&2
N63-23735 24-29 ..... FTD-TT-63-335/1
N63-23736 24-02 ..... FTD-TT-63-393/1&2&4
N63-23737 24-09 ..... FTD-TT-63-459/1&2
N63-23738 24-18 ..... FTD-TT-63-266/1&2
N63-23739 24-09 ..... FTD-TT-62-1528/1&2&4
N63-23740 24-09 ..... RADC-RAS-TM-63-6
N63-23741 24-27 ..... NOLTR 63-3
N63-23742 24-23 ..... AGN-TM-404
N63-23743 24-19 ..... ABL/X-105
N63-23744 24-02 ..... ARC-CP-665
N63-23745 24-33 ..... ARC-CP-680
N63-23746 24-11 ..... ARC-CP-683
N63-23747 24-10 ..... ARC-CP-698
N63-23748 24-16 ..... NO REPORT NUMBER
N63-23749 24-27 ..... AIAA PAPER 63-475
N63-23750 24-07 ..... AFCRL-63-849
N63-23751 24-16 ..... CEX-61.6.3.
N63-23752 24-23 ..... NO REPORT NUMBER
N63-23753 24-33 ..... MTI-62TR21
N63-23754 24-30 ..... NO REPORT NUMBER
N63-23755 24-12 ..... NO REPORT NUMBER
N63-23756 24-23 ..... AFCRL-63-675
N63-23757 24-23 ..... AB-1108-0006
N63-23758 24-23 ..... AN-1048
N63-23759 ..... ACC. NO. NOT USED
N63-23760 24-06 ..... NO REPORT NUMBER
N63-23761 24-12 ..... NO REPORT NUMBER
N63-23762 24-12 ..... NO REPORT NUMBER
N63-23763 24-27 ..... SO-I-II
N63-23764 24-27 ..... NO REPORT NUMBER
N63-23765 24-27 ..... NO REPORT NUMBER
N63-23766 24-15 ..... FPRC-MEMO-187
N63-23767 24-09 ..... FTD-TT-62-1194/1&2&4
N63-23768 24-12 ..... FTD-TT-62-1507/1&2
N63-23769 24-18 ..... FTD-TT-62-1513/1&2
N63-23770 24-04 ..... DC-12-011
N63-23771 24-23 ..... NO REPORT NUMBER
N63-23772 24-21 ..... JPRS-21721
N63-23773 24-24 ..... NOLTR 63-61
N63-23774 24-17 ..... NRL-5963
N63-23775 24-13 ..... NO REPORT NUMBER
N63-23776 24-04 ..... ARC-RM-3336
N63-23777 24-24 ..... RAD-865A
N63-23778 24-09 ..... RM-225
N63-23779 24-28 ..... REIC-32
N63-23780 24-16 ..... SAM-TDR-63-44
N63-23781 24-18 ..... SSD-TDR-63-216
N63-23782 24-30 ..... NO REPORT NUMBER
N63-23783 24-23 ..... TID-7664
N63-23784 24-11 ..... NO REPORT NUMBER
N63-23785 24-28 ..... USASRDL-TR-2290
N63-23786 24-02 ..... NASA-TN-D-1962
N63-23787 24-04 ..... R-982
N63-23788 24-02 ..... NO REPORT NUMBER
N63-23789 24-07 ..... RSIC-77
N63-23790 24-18 ..... SID-62-1219-3
N63-23791 24-25 ..... NO REPORT NUMBER
N63-23792 24-25 ..... SSD-TDR-63-183-/II/
N63-23793 24-23 ..... TR63-225
N63-23794 24-23 ..... NASA-RP-40
N63-23795 24-30 ..... NASA-RP-39
N63-23796 24-19 ..... NASA-CR-52279
N63-23797 24-19 ..... NASA-CR-52278
N63-23798 24-19 ..... NASA-CR-52281
N63-23799 24-01 ..... LMSC-SB-63-70
N63-23800 24-23 ..... WAPD-TM-396
N63-23801 24-23 ..... NO REPORT NUMBER
N63-23802 24-06 ..... NASA-CR-52287
N63-23803 24-19 ..... NO REPORT NUMBER
N63-23804 24-08 ..... AFCRL-63-370
N63-23805 24-29 ..... NASA-CR-52270
N63-23806 24-29 ..... NASA-CR-52271
N63-23807 24-19 ..... NASA-CR-52319
N63-23808 24-17 ..... NASA-CR-52323
N63-23809 24-25 ..... ASD-TDR-62-977
N63-23810 24-14 ..... AMRL-MEMO-P-42
N63-23811 24-16 ..... SAM-TDR-63-61
N63-23812 24-16 ..... SAM-TDR-62-150
N63-23813 24-18 ..... GALCIT-SM-63-15
N63-23814 24-29 ..... AFCRL-63-744
N63-23815 24-09 ..... NASA-CR-52226
N63-23816 24-20 ..... NASA-CR-52238
N63-23817 24-08 ..... NASA-CR-51993
N63-23818 24-13 ..... NASA-TM-X-50999
N63-23819 24-26 ..... NASA-TM-X-50998
N63-23820 24-34 ..... NASA-CR-52249
N63-23821 24-32 ..... NO REPORT NUMBER

Collections of NASA Documents

NASA is depositing its technical documents and bibliographic tools in twelve Federal Regional Technical Report Centers. Each Center, located in the organizations listed below, is prepared to furnish the general public such services as personal reference, inter-library loans, photocopy service, and assistance in obtaining retention copies of NASA documents.

California: University of California, Berkeley
University of California, Los Angeles
Colorado: University of Colorado Libraries, Boulder
District of Columbia: Library of Congress
Georgia: Georgia Institute of Technology, Atlanta
Illinois: The John Crerar Library, Chicago
Massachusetts: MIT, Cambridge
Missouri: Linda Hall Library, Kansas City
New York: Columbia University, New York
Pennsylvania: Carnegie Library of Pittsburgh
Texas: Southern Methodist University, Dallas
Washington: University of Washington Library, Seattle

In addition, NASA publications are currently being forwarded to the public libraries in the cities listed below:

Alabama: Birmingham
Alaska: Anchorage
Arizona: Phoenix
Arkansas: Little Rock
California: Fresno, Los Angeles, San Diego, San Francisco
Colorado: Denver
Connecticut: East Hartford, Bridgeport
Delaware: Wilmington
Florida: Jacksonville
Georgia: Atlanta
Idaho: Boise
Illinois: Springfield
Indiana: Fort Wayne, Indianapolis
Iowa: Des Moines
Kansas: Wichita
Kentucky: Louisville
Louisiana: New Orleans
Maine: Portland
Maryland: Baltimore
Massachusetts: Boston
Michigan: Detroit
Minnesota: St. Paul
Mississippi: Jackson
Missouri: Kansas City
Montana: Helena
Nebraska: Omaha
New Hampshire: Manchester
New Jersey: Trenton
New York: New York State Library
North Carolina: Winston-Salem
Ohio: Akron
Cleveland Public Library
Oklahoma: Oklahoma City
Oregon: Portland
Pennsylvania: Philadelphia
South Carolina: Rock Hill
South Dakota: Sioux Falls
Tennessee: Memphis
Texas: Dallas, Houston
Washington: Seattle
Wisconsin: Milwaukee